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ABSTRACT

"Classification Structures for Career Information" was created to provide Career Information Delivery Systems (CIDS) staff with pertinent and useful occupational information arranged according to the Standard Occupational Classification (SOC) structure. Through this publication, the National Occupational Information Coordinating Committee provides technical assistance to states to assist them in converting their existing CIDS to a SOC structure. A secondary purpose for the publication is to provide counselors with a compendium of occupational information compiled from a great variety of sources. The publication is organized in three volumes. This second volume, divided into four parts, contains technical information about the individual occupations assigned to each SOC category. It is intended primarily for technicians who prepare information for a CIDS or other professionals working with occupational information. Subtitled, "Occupational Characteristics," this volume contains guidance-oriented, descriptive statements for each occupation. Each SOC category is identified, along with all of its assigned Dictionary of Occupational Titles (DOT) codes, and other crosswalk codes. Composite classification tables provide an overview or summary of the characteristics associated with the DOT titles assigned to the SOC codes. (This document, part 1 of volume 2, contains characteristics for SOC numbers treated in the range 1099 to 4490.) (KC)

ED229507

**NOICC**

**National Occupational Information Coordinating Committee**

# CLASSIFICATION STRUCTURES FOR CAREER INFORMATION

## OCCUPATIONAL CHARACTERISTICS, VOLUME II

## PART 1 SOC Numbers 1099 to 4490

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INTERIM EDITION
1981

CE 032 711

# CLASSIFICATION STRUCTURES
# FOR
# CAREER INFORMATION

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Grant No. - 99-0-1449-17-17

# CLASSIFICATION STRUCTURES FOR CAREER INFORMATION

## CSCI

Volume I: Occupational Statements

Part 1: SOC Numbers 1099 to 4490
Part 2: SOC Numbers 4499 to 6560
Part 3: SOC Numbers 6699 to 9900
Numeric Index

Volume II: Occupational Characteristics

Part 1: SOC Numbers 1099 to 4490
Part 2: SOC Numbers 4499 to 6560
Part 3A: SOC Numbers 6699 to 7679
Part 3B: SOC Numbers 7700 to 9900
Numeric Index

Volume III: Technical Information

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## TABLE OF CONTENTS

### Volume II: Occupational Characteristics

Foreword . . . . . . . . . . . . . . . . . . . . . . . . . . i

Acknowledgements . . . . . . . . . . . . . . . . . . . . . . iii

I. Introduction . . . . . . . . . . . . . . . . . . . . . . v
  Background . . . . . . . . . . . . . . . . . . . . . . v
  Purpose . . . . . . . . . . . . . . . . . . . . . . . vii
  Organization of Volumes . . . . . . . . . . . . . . . vii

II. Orientation to the CSCI . . . . . . . . . . . . . . . . . viii
  Orientation to the Standard Occupational Classification . . . viii
  Organization of the Occupational Statements . . . . . . . . . ix
  Organization of the Occupational Characteristics . . . . . . . ix

III. Description of Tables in Volume II of the CSCI . . . . . . . . . xi
  Overview of the Tables . . . . . . . . . . . . . . . . xi
  Worker Traits and Classification Codes in the Tables . . . . . xii

Volume II: Occupational Characteristics . . . . . . . . . . . . 1-1050
Part 1: SOC Numbers 1099 to 4490 . . . . . . . . . . . . . . 1
Part 2: SOC Numbers 4499 to 6560 . . . . . . . . . . . . . . 257
Part 3A: SOC Numbers 6699 to 7679 . . . . . . . . . . . . . . 524
Part 3B: SOC Numbers 7700 to 9900 . . . . . . . . . . . . . . 852
Numeric Index . . . . . . . . . . . . . . . . . . . . . . 1051

# FOREWORD

One of the major purposes of the National Occupational Information Coordinating Committee (NOICC) is to encourage the use of occupational information. This purpose, contained in the enabling legislation, states: ". . . labor market information, including career outlook and other appropriate information required by youth in matching career desires with available and anticipated labor demand, shall be encouraged and supported by the National Occupational Information Coordinating Committee (NOICC)."

NOICC's thrust to fulfill this mandate, beginning in 1979, has been through the Career Information Delivery Systems (CIDS) competitive grant program. Since the beginning of the program, NOICC has encouraged these systems to use the Standard Occupational Classification (SOC) as the primary means for organizing the information contained in them. NOICC has established minimum requirements for use of the SOC structure by State Occupational Information Coordinating Committees receiving CIDS grants in NOICC Administration memorandum no. 81-23.

The SOC should prove to be an effective tool linking information on occupational outlook information with personal occupational desires referred to in the legislation. However, before the SOC could be effectively used in the CIDS, two preliminary tasks had to be completed: 1) relationships between the SOC and other existing data systems had to be established, and 2) the definitions published in the 1980 edition of the SOC manual had to be expanded and rewritten for occupational guidance purposes. Fortunately much of the first task has already been completed through another NOICC project, the development of the publication Vocational Preparation and Occupations (VPO). This publication establishes linkages between currently used educational and occupational coding structures.

To accomplish the second task, NOICC initiated a new project to modify the SOC definitions and organize the existing VPO crosswalks between classification systems so they could be used for CIDS purposes. The results of this effort are published in this document, the Classification Structures for Career Information (CSCI).

This edition of Classification Structures for Career Information has been published as an interim edition. This was done because the short time available to complete this effort did not permit a comprehensive technical edit of the occupational statements. Furthermore, there is a plan to convert the current educational classification codes contained in these tables to the new Classification of Instructional Programs in the near future.

The NOICC staff feels that this interim edition incorporates the latest information concerning the interrelationships of occupational and educational classification systems. This publication can serve as the primary source of information for CIDS information developers, counselors and other persons seeking information regarding to the world of work.

This important work was completed through the efforts of a large number of people and organizations. It is our sincere hope that the Classification Structures for Career Information will be a useful document not only for the technicians of CIDS but also for counselors and others who have a need for occupational information.

RUSSELL B. FLANDERS
Executive Director

ACKNOWLEDGMENTS

The National Occupational Information Coordinating Committee (NOICC) is appreciative of the cooperation, support and contributions of a number of agencies, organizations, other entities, and individuals who have participated in the development of the Classification Structures for Career Information.

This publication is the principal product of a grant awarded by NOICC to the Wisconsin State Occupational Information Coordinating Committee (WSOICC). Dr. Shelley Cary, Executive Director of WSOICC, served as the grant manager. The Vocational Studies Center, University of Wisconsin-Madison, was the prime contractor for the grant; Dr. Roger Lambert served as the Director; Dr. David Caulum was the principal researcher; and Dr. Ron Myren was the computer systems analyst. The National Center for Research in Vocational Education was another contractor on the project. Under the direction of Dr. Harry Drier, Fred Williams and Linda Pfister provided technical support and evaluation services for the development of the guidance-based SOC definitions. Dr. Melinda Salkin, formerly of the North Carolina SOICC, served as the principal definition writer. Nancy Howard wrote and edited all aggragate definitions.

For review purposes, and to provide procedural recommendations and other technical services, a Special Task Force was formed. The members of this Task Force were: John Van Zant-DC, Shelley J. Cary-WI, Carol Voss-WI, Roger Lambert-WI, David Caulum-WI, Ron Myren-WI, Darcy Mellen-Sullivan-WI, Jane Kwiecinski-WI, Harry Drier-OH, Fred L. Williams-OH, Melinda Salkin-NC, Linda Kobylarz-CT, Bruce McKinlay-OR, Dick Hall-OH, David Neideffer-DC, Bill Woolley-FL, Elton Mendenhall-NE, Thelma Lennon-NC, Hartley Jackson-WI, Bob Alexander-DC, Walton E. Webb-DC, Wynonia Dunn-DC, Helena Kennedy-WA, Eleanor Morgenthau-FL, Carol Kososki-SC, Joseph McGarvey-MI, Jan Staggs-IL, Todd Strohmenger-WV, Emanuel Weinstein-DC, and Bill Erpenbach-WI.

The Task Force was divided and augmented into other sub-groups that met on a regional basis to review the SOC guidance-based definitions. The members of these sub-groups were:

Columbus, Ohio:
Linda Kobylarz-CT, Norm Gysbers-MO, Bob Alexander-DC, Joe McGarvey-MI, Eugene Marquardt-WI, Rod Durgin-OH, Jack Ford-OH, Jan Staggs-IL, Cathy Arrowsmith-OH, Shelley Cary-WI, Walt Webb-DC, Harry Drier-OH, Fred Williams-OH, Melinda Salkin-NC, John Van Zant-DC, Darcy Mellen-Sullivan-WI

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The member agencies of NOICC also provided critical contributions to the development of this document through their earlier efforts on a related and companion document, Vocational Preparation and Occupations (VPO). Many of the computer tapes, code crosswalks, and explanations of data systems prepared for the VPO were utilized for this publication.

NOICC's member agencies are the Bureau of Labor Statistics, the Employment and Training Administration, the Office of Vocational and Adult Education, and the National Center for Education Statistics. In addition, the Office of Federal Statistical Policy and Standards of the Office of Management and Budget provided computer tapes and technical assistance relative the 1980 Standard Occupational Classification (SOC).

NOICC recognizes and thanks the following individuals for their special assistance in preparing this publication:

Milo Peterson:
Office of Federal Statistical Policy and Standards

Peggy Brennan:
Researcher, VPO Special Projects Unit, Ventura County Superintendent of Schools

NOICC staff direction and technical support was provided by:

Emanuel Weinstein, Classification System Specialist; John Van Zant, Project Monitor and text contributor; Walton E. Webb, Coordinator of State and Interagency Network, who provided general supervision; Russell E. Flanders, Executive Director, who provided general direction.

## I. INTRODUCTION

### Background

To carry out the legislative mandates contained in P.L. 94-482 (the Education Amendments of 1976), and P.L. 95-524 (the Comprehensive Employment and Training Act Amendments of 1978), NOICC's Technical Steering Group adopted a number of policies. Among them (as published in the Federal Register) is one which adopts the Standard Occupational Classification as NOICC's overall occupational classification system. The SOC was designed to establish a standard coding system and nomenclature for use in identifying, classifying and codifying occupations. The structure of the SOC provides the CIDS with an organizing scheme that groups occupations with similar worker functions. This feature can be used to expand the occupational choice or options of the CIDS user. The feature also facilitates development of the CIDS user's understanding of the functional relationships among different occupations.

The SOC structure also permits an expansion of titles available within a CIDS. There are 834 separate SOC titles. Most of these are directly related to groups of Dictionary of Occupational Titles (DOT) codes. This means that the 834 SOC titles are matched with 12,099 defined base DOT titles. This arrangement enhances the selection of occupational titles appropriate for a particular State need.

As presented in the 1980 SOC Manual, the SOC structure is composed of a four-level system: Division, Major Group, Minor Group and Unit Group. Each SOC grouping or category represents a collection of occupations which are sufficiently similar in their main tasks to be grouped under a common title. Fundamental to each SOC Division are the various categories. These categories are arranged from general to progressively more specific level of occupational detail. Because of this structure, it is possible to aggregate or disaggregate categories under a particular SOC Division according to the level of detail required.

Given the advantages of the SOC and the NOICC Policy, NOICC staff approached the implementation of the SOC Policy in a developmental way. It has proceeded with the SOC implementation with as much interagency and field input as possible. To assess the impact of a SOC/CIDS requirement to "use the SOC as a standard structure for the presentation of occupational information in CIDS's funded under the CIDS Grant Program," NOICC held a meeting with a variety of CIDS experts. These included representatives from NOICC's statutory agencies, NOICC staff, nonprofit and commercial organizations, and the CIDS assistance staff from the National Governors' Association.

The major conclusion of this group was that the SOC definitions were not suitable for use in a CIDS. Their review of the SOC indicated that more details about worker functions were needed to facilitate use of SOC definitions in a CIDS.

The group advised NOICC that all CIDS would have the same problem. Therefore, they recommended that NOICC should sponsor a project to modify or convert the existing definitions for use in CIDS. To avoid potential duplication of effort among the CIDS grantees and to fulfill another NOICC mandate to establish standard definitions, NOICC initated a Special Purpose Grant with the Wisconsin SOICC. The end products of this project are this publication and a computer tape. In July 1980, a project task force was convened by NOICC for the purpose of establishing criteria and guidelines for the development of the guidance-based definitions. This task force was comprised of representatives from career information delivery systems, occupational information coordinating committees, professional educators, representatives from various federal agencies, and NOICC staff. (The task force membership is included in the Acknowledgment.) The specific charge of this task force was to develop the parameters for the definitions contained in Volume I and to recommend procedures to develop composite attribute and classification coding for the various SOC groups contained in Volume II.

Definition development recommendations of the task force included the following:

1. A general description of no more than 540 characters should be developed for each occupational group and should focus upon the activities included under the specific DOT titles within the group;

2. A section of sample work activities from representative DOT titles within each occupational group should be included;

3. A statement covering the hours of work and travel requirements, if any, for the occupational titles within the group should be developed;

4. Typical places of employment should be listed. Additionally, the definitions were to be written for a 6th to 8th grade reading level. However, the task force was unable to agree upon specific methodology to be used in measuring the readability of the definitions.

The task force recommendations for developing the composite attributes were difficult to fulfill. Consideration had to be given to a variety of factors: what other classification systems should be related and aggregated for each SOC group; which variables describing worker traits, interests, and aptitudes, etc., should be included; and how should the aggregation and compilation be completed. The tables contained in this publication were designed to carry out the intent if not the letter of the task force recommendations.

## Purpose

The primary purpose of this publication is to provide CIDS staff with pertinent and useful occupational information arranged according to the Standard Occupational Classification (SOC) structure. Through this publication NOICC is providing technical assistance to states to assist them in converting their existing CIDS to a SOC structure. A secondary purpose for this publication is to provide counselors with a compendium of occupational information compiled from a great variety of sources. This publication compiles all of the background information used in preparing the Dictionary of Occupational Titles (DOT) as well as numerous other occupational and educational codes into one source document. This feature should save a researcher or information developer an enormous amount of time.

## Organization of The Volumes

Because of the vast amount of detailed information contained in the entire Classification Structures for Career Information, it was necessary to publish it in separate volumes.

The first volume, divided into three parts, contains the 1980 Standard Occupational Classification (SOC) codes and titles as well as the new guidance-oriented definitions. Other selected information reflective of the group of individual occupations assigned to a particular SOC code or category has been provided also. The first volume of the Classification Structures for Career Information is subtitled "Occupational Statements."

The second volume is subtitled "Occupational Characteristics." This volume contains technical information about the individual occupations assigned to each SOC category. Each SOC category is identified along with all of its assigned DOT codes and other crosswalk codes. This second volume is divided into four parts.

A third volume also has been compiled. It is subtitled "Technical Information." This volume contains detailed explanations of the DOT occupational characteristics codes, a description of the various occupational and educational classification systems suggested uses for the entire publication, and a brief glossary of terms and a bibilography.

## II. ORIENTATION TO THE CSCI

### Orientation to the Standard Occupational Classification

Before proceeding with a detailed explanation of the tables contained in both the Occupational Statements volume and the Occupational Characteristics volume, a brief review of the SOC structure is in order. As explained in the "Background" section of this publication, the SOC is a four-level classification system. Beginning with the DIVISION, the least detailed and broadest category, the levels descend through the MAJOR GROUP and MINOR GROUP to the most specific level of detail, the UNIT GROUP. A SOC category that has DOT codes assigned to it is at the most specific level of detail.

Not every SOC level has DOT codes assigned to it. There are no DOT assignments made at the Division level. Within a Division, DOT assignments are made in a category when that category is at the finest level of detail. On a few occasions, there are DOT codes assigned to one of the Major Groups within a particular Division and, in this instance, there are no further levels--Minor Groups or Unit Groups--below this particular Major Group. Again, this is because this Major Group is at the most specific level of detail.

As stated, the 1980 SOC is a four-level taxonomy. There are SOC codes assigned to the various Major Groups, Minor Groups and Unit Groups. The Division is not coded. An example of this is:

| | | |
|---|---|---|
| Division....... | (No Code) | Social Scientists, Social Workers, Religious Workers and Lawyers |
| Major Group........ | 19 | Social Scientists and Urban Planners |
| Minor Group........ | 191 | Social Scientists |
| Unit Group......... | 1912 | Economist |
| | 1913 | Historians |
| | 1914 | Political Scientists |
| | 1915 | Psychologists |
| | 1916 | Sociologists |
| | 1919 | Social Scientists, Not Elsewhere Classified. |

In this example, DOT codes are assigned to the Unit Groups because they are the finest level of detail. Because most occupational groups are broken down to this level of detail, DOT titles are most frequently assigned to the Unit Group level.

By contrast, however, SOC code 192, "Urban and Regional Planners," is and example of a 3-digit category being the finest level of detail. Thus, DOT codes are assigned to the Minor Group in this case.

The SOC code structure also leaves numerical gaps. For example, a numerical gap exists between Unit Group 1916 and the next group, 1919. The purpose of these gaps is to provide room for future expansion or revisions to the coding structure.

With this background, it can be seen that there would be a problem in using the SOC code structure (as it is published) with a computer assisted CIDS. One of the problems stems from the uncoded Divisions. To resolve this problem, a four-digit code was assigned to each Division to permit the Division category to be used for career information searching purposes. Unfortunately this code is out of numeric sequence with the other categories contained within the Division.

For instance, in the example previously given, the Division, "Social Scientists, Social Workers, Religious Workers and Lawyers," is coded 1899 while the rest of the Division categories (Major Groups, Minor Groups and Unit Groups) all begin with 19. This numbering system works for use in a computer search strategy. An explanation of how this coding was accomplished and how it can be used for CIDS purposes in the Technical Information Volume of the Classification Structures for Career Information.

## Organization of the Occupational Statements

While primarily designed for counselor/client use, this volume contains information useful to people using the SOC to classify information obtained from surveys, preparing information for a CIDS, or for other technical purposes. The Occupational Statements contain a brief guidance-oriented definition for each of the 834 categories contained in the 1980 SOC. Each definition is identified with both the SOC title and its code.

In those cases where a SOC category has been assigned DOT codes and titles, additional information has been prepared. This information includes: Sample Work Activities, Hours of Work and Travel, and Sample Places of Work. Again it is important to note that unless there have been DOT codes and titles assigned, there will be only a SOC code, title, and the guidance-oriented definition. Additional occupational information was not developed unless DOT titles were directly assigned to a SOC category.

## Organization of the Occupational Characteristics

The Occupational Characteristics Tables of the Classification Structures for Career Information contain technical information about the individual occupations assigned to each SOC category. This volume is designed primarily for technicians who prepare information for a CIDS. Other professionals working with occupational information may find this publication useful. The Occupational Characteristics volume contains only the guidance-oriented, descriptive statements listed in the other volume of the CSCI. Therefore its user may want to work with both volumes to obtain the full benefit of the comprehensive occupational information organized by SOC codes.

There is a table for each SOC category that has a DOT code assigned to it. Each table contains, in its heading, the SOC code title, the short guidance-oriented definition, and the number of assigned DOT titles. The rest of the table is divided into two parts, the Composite Classification Tables and a listing of DOT titles and related attribute codes.

The Composite Classification Tables provide the reader with an overview or summary of the characteristics associated with the DOT titles assigned to the SOC code. These tables are actually a series of charts. There are two kinds of information in these charts charts for each DOT characteristic. One type of information is the numerical frequency rate; the other type is the percent of times that a specific characteristic occurs within the entire group of DOT titles assigned to the SOC code.

The second part of this table contains a listing of each DOT code and title assigned to the particular SOC code. The various occupational characteristic codes, as well as other related occupational and educational classification codes, are displayed in this part of the table. Most of the headings for this part of the table have been abbreviated and double-stacked in the data columns to conserve space. The double-stacked columns of data contain two listings, one listed over the other. For instance, the Guide to Occupational Exploration (GOE) code for a particular DOT title is listed over the U.S. Office of Education vocational program code where appropriate. Complete explanations for each of the codes listed in these tables are provided in Volume III, Technical Information of the Classification Structures for Career Information.

## III. Description of Tables in Volume II of the CSCI

Appendices B-K in Volume III, Technical Information, provide a comprehensive explanation of the data referenced in the tables contained in Volume II, Occupational Characteristics. This section provides a brief description of these data for those already familiar with them but for whom the tables represent a different format for presenting this type of information.

On the next page, one table from Volume II is reproduced. It is marked with letters (A-D) and numbers (1-20). These letters and numbers reference the explanatory material which follows. Many of the explanations refer to the appropriate Appendix in Volume III for additional information. These appendices will be especially useful to those unfamiliar with DOT worker trait and worker function coding and classification systems.

### Overview of the Tables

Letters A-D illustrate how the tabes are divided. Each table has four parts; each part presents different information about the particular SOC group.

A. The part lettered "A" contains the SOC number and the SOC title. To the right side, this part also shows the number of DOT titles associated with the SOC group.

B. This part contains the guidance definition for the SOC group. This is the same definition which appears in Volume I.

C. This part contains the composite worker trait codes for the DOT titles associated with the SOC group. For each worker trait, the table presents the frequencey and percentage of occurrence across all DOT titles. As such, this part of the table provides an overview of worker traits within the SOC group.

D. This part contains the characteristic detail on each DOT title associated with the SOC group. It also contains summary information on the classification codes presented. As such, this part of the table is useful in understanding the SOC group at the occupational level.

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 4123 REAL ESTATE SALES OCCUPATIONS

A

**REAL ESTATE AGENTS** and **BROKERS** assist clients in the buying or selling of a home or property. **BROKERS** not only sell real estate, but also rent and manage properties, make appraisals, and develop new building projects. They often arrange for loans and title searches for buyers and set up meetings between buyers and sellers. **REAL ESTATE AGENTS** are independent sales workers who work for a broker. They help buyers find homes or property and provide many of the services offered by the brokerage firm.

B

### CODING TABLES

Total count =  5

```
--------------------------------------------------      ----------------------------------------------------
PHY     S   L   M   H   V                               SVP     1   2   3   4   5   6   7   8   9    [18]
free        5                                           free                    3       2
%         100                              [15]         %                      60      40
                                                        ----------------------------------------------------
PHY     2   3   4   5   6                               ENV     I   O   B   2   3   4   5   6   7    [19]
free    1   1   1   5   4                               free    3       2
%      20  20  20 100  80                               %      60      40
--------------------------------------------------      ----------------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V           APT     G   V   N   S   P   Q   K   F   M   E   C
free    1       4   5       5               1  [16]                           frequency
%      20      80 100     100              20           range 1
--------------------------------------------------            2   4   4   2   1   1   1
              attributes                                      3   1   1   3   3   2   4
   GED    1   2   3   4   5   6   7   free                    4               1   2       5   5   5       1 [20]
 R free                3   2          =  5                    5                                       5   4
   %                  60  40                                                percent
 N free        1   2   2              =  5   [17]       range 1
   %          20  40  40                                      2  80  80  40  20  20  20
 L free                4   1          =  5                    3  20  20  60  60  40  80
   %                  80  20                                  4              20  40     100 100 100      20
                                                              5                                      100  80
--------------------------------------------------      ----------------------------------------------------
```

C

```
 [1]       [2]                  [3]                      [4]  OES Survey    [5]GOE        [7]GED [9]Aptitudes    [11]Phy. Dem
Unique    DOT                   DOT                           over             over           over  over              over
Code      Code                  Title                         OES Matrix    [6]USOE       [8]SVP [10]Temperaments [12]Env. Cond

41230205 191267010  Appraiser, real estate               (  1)25527     (  1)110603   544    22234244455       L2345
                                                         (  1)10243816  (  3)04170000 7      VPJ               B

41230208 250157010  Superintendent, sales                (  3)71008     (  4)080204   545    22222344454       L56
                                                         (  3)30001403  (  2)BLANK    7      DIJP              B

41230211 250357010  Building consultant                  (  1)79000     (  4)080204   434    22333344455       L56
                                                         (  1)30001899  (  3)04170000 5      IJP               I

41230214 250357014  Leasing agent, residence             (  3)71008     (  4)080204   424    33344344453       L56
                                                         (  3)30001403  (  2)BLANK    5      IJP               I

41230217 250357018  Sales agent, real estate             (  3)71008     (  4)080204   434    22333344455       L56
                                                         (  3)30001403  (  3)04170000 5      IJP               I

                                                           [13]           [14]
```

D

17

## Worker Traits and Classification Codes in the Tables

The numbers 1-20 are marked near each kind of information contained in the parts marked C and D. Numbers 7-12 and 15-20 contain worker trait information. Due to space limitations, the levels are indicated by codes taken from the Handbook for Analyzing Jobs. To facilitate use of the tables, the summary pages from the Handbook are reproduced following this section as well as in Appendix G of Volume III. This summary contains the definition for each level or attribute shown in the table.

1. This column in the table contains a unique 8-digit code matching each DOT title associated with the SOC group. It is made up from the SOC code (1st four digits) followed by an ascending number sequence of four digits (0205, 0208, 0211, 0215, etc.). The principal use of this code is for information specialists.

2. This column contains the DOT code for the associated DOT title. The middle three digits of each DOT title contains the worker function rating for the occupations. The first three digits show the industry code.

3. This column shows the complete DOT title associated with the SOC group. Over 12,000 titles are represented in the 632 SOC groups in Volume II.

4. This column contains the OES Survey Codes and the OES Survey Matrix Code for each associated Dot title. The word "over" used in the table should not be interpreted mathematically; it simply indicates that one type of information is presented on top of the other. OES refers to the Occupational Employment Survey carried out under the auspices of the Department of Labor. A complete explanation of the OES is contained in Appendix C of Volume III.

5. The GOE code in this column is the numeric code assigned to each DOT title in the Guide for Occupational Exploration, a Department of Labor, Employment Service publication. An index to these codes is contained in Appendix E of Volume III.

6. The USOE code which appears below the GOE code in this column represents the program assignment to the United States Office of Education classification. The program codes are those used in Handbook VI (Appendix D). In some cases, the word "Blank" appears in this location. It indicates that there is not a program designated for the partcular DOT title.

7-12. These columns contain the worker trait assignments for the DOT titles. The summary of the worker traits following this section provides the correct interpretation for this data. The order of presentation is often important. For example, under GED, General Education Development, three numbers appear for each DOT title. These numbers designate the assigned developmental level in R (reading), M (mathematics), and L (language). The composite tables in part C show the order in which the information appears for each worker trait. SVP refers to Specific Vocational Development; Phy. Dem. refers to Physical Demands; and Env. Cond. refers to Environmental Conditions.

13-14. These columns contain the frequency of occurence of the indicated classification code in the SOC group. For example, OES Survey Code 25527 occurs once assigned to unique occupation code 41230205; OES Survey Code 71008 occurs three times assigned to 41230208, 41230214 and 41230217.

15-20. These data show the frequency and occurence of each worker trait within the SOC group. The abbreviated designations can be read as follows: PHY= Physical Demands; TEMP=Temperaments; GED=General Educational Development; SVP=Specific Vocational Preparation; ENV=Environmental Conditions; APT= Aptitudes. The meaning for each of the level designations is shown in the summary of worker traits following this section and in Appendix G, Volume III. Two examples of correct interpretation of these data for SOC 4123 follow: the composite SVP for SOC 4123 is 3 titles (60 percent) assigned to level 5, and 2 titles (40 percent) assigned to level 7; the composite S (special) apptitude level for SOC 4123 is 1 title (20 percent) assigned to level 2, 3 titles (60 percent) assigned to level 3, and 1 title (20 percent) assigned to level 4.

## CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

## 1131 JUDICIAL, PUBLIC SAFETY, AND CORRECTIONS ADMINISTRATORS

These people direct programs that promote justice, public safety, and order. They direct activities in such places as police and fire departments, public safety agencies, and prisons. An important part of their work consists of directing staff, interpreting policies, enforcing rules, and preparing budgets and reports.

### CODING TABLES

Total count = 13

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 7 | 6 | | | |
| % | 54 | 46 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 13 | 7 |
| % | | | 23 | 100 | 54 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | 2 | 6 | 9 | 5 | 9 | | 1 | | 10 |
| % | 92 | 15 | 46 | 69 | 38 | 69 | | 8 | | 77 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 3 | 9 | 1 | | = 13 |
| % | | | | 23 | 69 | 8 | | |
| M freq | | | 5 | 5 | 3 | | | = 13 |
| % | | | 38 | 38 | 23 | | | |
| L freq | | | | 5 | 8 | | | = 13 |
| % | | | | 38 | 62 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 3 | 2 | 7 | 1 |
| % | | | | | | 23 | 15 | 54 | 8 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | | 2 | | 1 | | 2 | 1 | 1 |
| % | 85 | | 15 | | 8 | | 15 | 8 | 8 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 2 | | | | | | | | | |
| | 2 | 11 | 10 | 3 | 1 | | | | | | | |
| | 3 | 1 | 1 | 9 | 7 | 8 | 7 | | 1 | 1 | | 1 |
| | 4 | | | 1 | 5 | 5 | 6 | 13 | 12 | 12 | 2 | 4 |
| | 5 | | | | | | | | | | 11 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | 8 | 15 | | | | | | | | | |
| | 2 | 85 | 77 | 23 | 8 | | | | | | | |
| | 3 | 8 | 8 | 69 | 54 | 62 | 54 | | 8 | 8 | | 8 |
| | 4 | | | 8 | 38 | 38 | 46 | 100 | 92 | 92 | 15 | 31 |
| | 5 | | | | | | | | | | 85 | 62 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11310205 | 169127010 | Civil preparedness training officer | ( 12)19000<br>( 12)20061699 | ( 2)110702<br>( 10)BLANK | 434<br>6 | 22333444454<br>ISV | L456<br>I |
| 11310208 | 169167022 | Fire assistant | ( 1)22308<br>( 1)10241600 | ( 5)040101<br>( 10)BLANK | 434<br>6 | 32433444444<br>DPJM | L56<br>B |
| 11310211 | 188117022 | Civil preparedness officer | ( 12)19000<br>( 12)20061699 | ( 4)110503<br>( 10)BLANK | 535<br>6 | 21333343344<br>DIV | L56<br>I |
| 11310214 | 188117054 | Director, correctional agency | ( 12)19000<br>( 12)20061699 | ( 4)110503<br>( 10)BLANK | 655<br>8 | 11233344455<br>VDP | L456<br>I |
| 11310217 | 188117070 | Director, law enforcement | ( 12)19000<br>( 12)20061699 | ( 4)110503<br>( 10)BLANK | 555<br>7 | 22244344455<br>VDP | L456<br>I |
| 11310220 | 188117118 | Police commissioner I | ( 12)19000<br>( 12)20061699 | ( 5)040101<br>( 10)BLANK | 545<br>8 | 22344444455<br>VDIJM | S5<br>I |
| 11310223 | 188167026 | Director, classification and treatment | ( 12)19000<br>( 12)20061699 | ( 2)110701<br>( 10)BLANK | 545<br>7 | 22344344455<br>DPJF | S5<br>I |
| 11310226 | 18816703[illegible] | Director, safety council | ( 12)19000<br>( 12)20061699 | ( 4)110503<br>( 10)BLANK | 555<br>8 | 22333444455<br>VDPIJ | S5<br>I |
| 11310229 | 188167094 | Superintendent, industries, correctional facility | ( 12)19000<br>( 12)20061699 | ( 2)110701<br>( 10)BLANK | 444<br>8 | 23223344454<br>DPJM | S56<br>I5 |
| 11310232 | 188167102 | Traffic-safety administrator | ( 12)19000<br>( 12)20061699 | ( 2)110702<br>( 10)BLANK | 545<br>8 | 22333444455<br>VDIJF | S5<br>I |
| 11310235 | 373117010 | Fire chief | ( 12)19000<br>( 12)20061699 | ( 5)040101<br>( 1)17280100 | 545<br>8 | 22333344453<br>VDPJI | L56<br>B3567 |
| 11310238 | 375117010 | Police chief | ( 12)19000<br>( 12)20061699 | ( 5)040101<br>( 2)17280200 | 534<br>9 | 22344344455<br>VDPJM | S5<br>I |

```
11310241 375167026  Harbor master                                    ( 12)19000    (  5)040101   534  22344444455  S5
                                                                     ( 12)20061699  (  2)17280200 8    VDPJM        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

17 Associated DOT Titles

## 1132 HUMAN RESOURCES PROGRAM ADMINISTRATORS

People in these jobs plan, organize, and direct programs that provide public services for people. These programs offer services in such areas as employment and training, health, recreation, welfare, consumer affairs, and aging. An important part of these ADMINISTRATORS' work consists of directing staff, interpreting policies, enforcing rules, and preparing budgets and reports.

### CODING TABLES

Total count = 17

```
PHY      S   L   M   H   V
freq     7  10
%       41  59

PHY      2   3   4   5   6
freq             8  17   8
%               47 100  47
-------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq    15   1       7   8  15       1      12
%       88   6      41  47  88       6      71
-------------------------------------------------
                attributes
   GED    1   2   3   4   5   6   7   freq
 R freq               1  15   1       = 17
   %                  6  88   6
 M freq           2   4  11           = 17
   %             12  24  65
 L freq               1  15   1       = 17
   %                  6  88   6
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         1   2  14
%                            6  12  82
---------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq    17
%      100
---------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                     frequency
range 1    4   5
      2   12  11  10   2   2   2
      3    1   1   6   4   4  13   1
      4            1  11  11   2  16  16  15   3   1
      5                                1   2  14  16
                      percent
range 1   24  29
      2   71  65  59  12  12  12
      3    6   6  35  24  24  76   6
      4            6  65  65  12  94  94  88  18   6
      5                                6  12  82  94
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11320205 | 50117010 | Director, employment research and planning | ( 16)19000<br>( 16)20061699 | ( 1)110102<br>( 17)BLANK | 555<br>8 | 22244244455<br>DJMP | S5<br>I |
| 11320208 | 79167010 | Community-services-and-health-education officer | ( 1)29000<br>( 1)10243899 | ( 1)110702<br>( 17)BLANK | 656<br>8 | 22333444555<br>DPJ | S5<br>I |
| 11320211 | 169117010 | Executive secretary, state board of nursing | ( 16)19000<br>( 16)20061699 | ( 4)110503<br>( 17)BLANK | 555<br>8 | 21244244455<br>VDPM | S5<br>I |
| 11320214 | 169167046 | Public health registrar | ( 16)19000<br>( 16)20061699 | ( 1)070403<br>( 17)BLANK | 434<br>7 | 33344344445<br>MPV | L56<br>I |
| 11320217 | 187117050 | Public health service officer | ( 16)19000<br>( 16)20061699 | ( 1)111003<br>( 17)BLANK | 555<br>8 | 11222334444<br>VDPM | S56<br>I |
| 11320220 | 187117054 | Superintendent, recreation | ( 16)19000<br>( 16)20061699 | ( 1)110704<br>( 17)BLANK | 535<br>8 | 11244344455<br>DPV | L56<br>I |
| 11320223 | 188117010 | Apprenticeship consultant | ( 16)19000<br>( 16)20061699 | ( 2)110703<br>( 17)BLANK | 545<br>8 | 22334344455<br>JMP | L45<br>I |
| 11320226 | 188117014 | Business-enterprise officer | ( 16)19000<br>( 16)20061699 | ( 3)110701<br>( 17)BLANK | 545<br>6 | 22222344455<br>DJMV | L456<br>I |
| 11320229 | 188117042 | Director, arts-and-humanities council | ( 16)19000<br>( 16)20061699 | ( 4)110503<br>( 17)BLANK | 555<br>8 | 22333344455<br>VDP | L456<br>I |
| 11320232 | 188117046 | Director, compliance | ( 16)19000<br>( 16)20061699 | ( 3)111002<br>( 17)BLANK | 545<br>7 | 22244344455<br>DP | L456<br>I |
| 11320235 | 188117050 | Director, consumer affairs | ( 16)19000<br>( 16)20061699 | ( 3)111002<br>( 17)BLANK | 555<br>8 | 22244344455<br>DPV | L456<br>I |
| 11320238 | 188117058 | Director, council on aging | ( 16)19000<br>( 16)20061699 | ( 3)110701<br>( 17)BLANK | 545<br>8 | 22344445555<br>VDSJF | S5<br>I |

```
11320241 188117062 Director, field representatives      ( 16)19000     (  2)110703  555  22443344455  S5
                                                        ( 16)20061699  ( 17)BLANK   8    DPJM         I

11320244 188117066 Director, labor standards            ( 16)19000     (  3)111002  555  11233344455  L456
                                                        ( 16)20061699  ( 17)BLANK   8    VDP          I

11320247 188117078 Director, manpower services          ( 16)19000     (  4)110503  555  22244344455  L45
                                                        ( 16)20061699  ( 17)BLANK   8    DPV          I

11320250 188117094 Director, unemployment insurance     ( 16)19000     (  4)110503  555  11244344455  L45
                                                        ( 16)20061699  ( 17)BLANK   8    VDP          I

11320253 188117126 Welfare director                     ( 16)19000     (  3)110701  555  22344344445  S5
                                                        ( 16)20061699  ( 17)BLANK   8    VDPJM        I
```

6 Associated DOT Titles

## 1133 NATURAL RESOURCES PROGRAM ADMINISTRATORS

These people are in charge of programs and agencies that preserve, manage, and restore our natural resources. Some of their work includes managing public parks and fish and wildlife preserves. Their duties also include directing staff, interpreting policies, enforcing rules, and preparing budgets and reports.

CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 4 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | | 2 | 6 | 2 |
| % | 17 | | 33 | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | 1 | 1 | 6 | 1 | 6 | | | | 4 |
| % | 100 | 17 | 17 | 100 | 17 | 100 | | | | 67 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 6 | | | = 6 |
| % | | | | | 100 | | | |
| M freq | | | 1 | 5 | | | | = 6 |
| % | | | 17 | 83 | | | | |
| L freq | | | | 4 | 2 | | | = 6 |
| % | | | | 67 | 33 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 3 | 2 | |
| % | | | | | | 17 | 50 | 33 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 3 | 1 | 1 | 1 | | 2 | |
| % | 50 | | 50 | 17 | 17 | 17 | | 33 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 6 | 6 | | | | | | | | | |
| | 3 | | | 6 | | 1 | 5 | | | | 1 | |
| | 4 | | | | 6 | 5 | 1 | 6 | 6 | 6 | 1 | 2 |
| | 5 | | | | | | | | | | 4 | 4 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | | | | | | | | | |
| | 3 | | | 100 | | 17 | 83 | | | | 17 | |
| | 4 | | | | 100 | 83 | 17 | 100 | 100 | 100 | 17 | 33 |
| | 5 | | | | | | | | | | 67 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11330205 | 188117018 | Chief, fishery division | ( 6)19000<br>( 6)20061699 | ( 1)030102<br>( 6)BLANK | 545<br>8 | 22343344455<br>DPJM | L5<br>I |
| 11330208 | 188117026 | Commissioner, conservation of resources | ( 6)19000<br>( 6)20061699 | ( 3)110503<br>( 6)BLANK | 544<br>8 | 22344344455<br>VDPJF | S5<br>I |
| 11330211 | 188167018 | Chief warden | ( 6)19000<br>( 6)20061699 | ( 3)110503<br>( 6)BLANK | 544<br>6 | 22344344455<br>DPJ | L5<br>B |
| 11330214 | 188167054 | Federal aid coordinator | ( 6)19000<br>( 6)20061699 | ( 3)110503<br>( 6)BLANK | 545<br>7 | 22344444455<br>VDPJ | S5<br>I |
| 11330217 | 188167062 | Park superintendent | ( 6)19000<br>( 6)20061699 | ( 1)040101<br>( 6)BLANK | 534<br>7 | 22344344434<br>DIJPV | L2456<br>B2346 |
| 11330220 | 379137018 | Wildlife agent, regional | ( 6)19000<br>( 6)20061699 | ( 1)040102<br>( 6)BLANK | 544<br>7 | 22344344444<br>VDJP | L456<br>B6 |

8 Associated DOT Titles

## 1134 RURAL, URBAN, AND COMMUNITY DEVELOPMENT PROGRAM ADMINISTRATORS

These people direct programs or agencies concerned with planning, managing, and developing city and rural areas. They work in such areas as housing, road building, waste disposal, and urban renewal. Their duties often include gathering and studying information, preparing budgets and news releases, and speaking to various groups. They also direct staff work and prepare reports.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 3 | | | |
| % | 63 | 38 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 8 | 3 |
| % | | | 13 | 100 | 38 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 2 | 6 | 4 | 7 | | | 1 | 6 |
| % | 88 | | 25 | 75 | 50 | 88 | | | 13 | 75 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 7 | 1 | | = 8 |
| % | | | | | 88 | 13 | | |
| M freq | | | 1 | 2 | 5 | | | = 8 |
| % | | | 13 | 25 | 63 | | | |
| L freq | | | | 1 | 6 | 1 | | = 8 |
| % | | | | 13 | 75 | 13 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 6 | 1 |
| % | | | | | | | 13 | 75 | 13 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | | | | | | | | |
| | 2 | 7 | 7 | 2 | 2 | | 2 | | | | | |
| | 3 | | | 5 | 2 | 5 | 4 | | | | | |
| | 4 | | | | 4 | 3 | 2 | 8 | 8 | 8 | 2 | 1 |
| | 5 | | | | | | | | | | 6 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | 13 | 13 | 13 | | | | | | | | |
| | 2 | 88 | 88 | 25 | 25 | | 25 | | | | | |
| | 3 | | | 63 | 25 | 63 | 50 | | | | | |
| | 4 | | | | 50 | 38 | 25 | 100 | 100 | 100 | 25 | 13 |
| | 5 | | | | | | | | | | 75 | 88 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11340205 | 5167022 | Highway-administrative engineer | ( 8)19000<br>( 8)20061699 | ( 4)110503<br>( 8)BLANK | 656<br>9 | 11123244444<br>DMPTV | S56<br>I |
| 11340208 | 188117030 | Commissioner, public works | ( 8)19000<br>( 8)20061699 | ( 4)110503<br>( 8)BLANK | 555<br>8 | 22344444455<br>VDPJ | S5<br>I |
| 11340211 | 188117082 | Director, medical facilities section | ( 8)19000<br>( 8)20061699 | ( 1)111003<br>( 8)BLANK | 555<br>8 | 22344444455<br>DPJM | S5<br>I |
| 11340214 | 188117102 | Economic development coordinator | ( 8)19000<br>( 8)20061699 | ( 4)110503<br>( 8)BLANK | 545<br>8 | 22233344445<br>DIPV | L56<br>I |
| 11340217 | 188117110 | Housing-management officer | ( 8)19000<br>( 8)20061699 | ( 4)110503<br>( 8)BLANK | 534<br>8 | 22343244455<br>DJMPV | L5<br>I |
| 11340220 | 188167070 | Relocation commissioner | ( 8)19000<br>( 8)20061699 | ( 1)070101<br>( 8)BLANK | 555<br>8 | 22234344455<br>VIJ | S5<br>I |
| 11340223 | 188167078 | Roads supervisor | ( 8)19000<br>( 8)20061699 | ( 1)050202<br>( 8)BLANK | 555<br>8 | 22323344455<br>DPJ | S5<br>I |
| 11340226 | 188167098 | Superintendent, sanitation | ( 8)19000<br>( 8)20061699 | ( 1)050201<br>( 8)BLANK | 545<br>7 | 22343344455<br>VDPJM | L456<br>I |

8 Associated DOT Titles

## 1135 PUBLIC FINANCE, TAXATION, AND OTHER MONETARY PROGRAM ADMINISTRATORS

These people are in charge of government agencies that set money and tax policies and collect, hold, and distribute funds. They direct programs such as vehicle licensing, tax and customs collection, and bonding. Depending upon the specific jobs, their work may range from interpreting laws and setting agency policies to planning public information campaigns. They also direct staff work and prepare reports.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 4 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | | 3 | 7 | 4 |
| % | 13 | | 38 | 88 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | 1 | 1 | 3 | 5 | 7 | | | 1 | 6 |
| % | 88 | 13 | 13 | 38 | 63 | 88 | | | 13 | 75 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 6 | 1 | | = 8 |
| % | | | | 13 | 75 | 13 | | |
| M freq | | | | 1 | 7 | | | = 8 |
| % | | | | 13 | 88 | | | |
| L freq | | | | 1 | 7 | | | = 8 |
| % | | | | 13 | 88 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 3 | 4 | |
| % | | | | | | 13 | 38 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | | | | | | |
| % | 88 | | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 1 | 1 | | | | | | | | |
| | 2 | 6 | 7 | 5 | | | 2 | | | | | |
| | 3 | | | 2 | 3 | 3 | 5 | | | | | |
| | 4 | | | | 5 | 5 | 1 | 8 | 8 | 8 | 1 | 2 |
| | 5 | | | | | | | | | | 7 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | 25 | 13 | 13 | | | | | | | | |
| | 2 | 75 | 88 | 63 | | | 25 | | | | | |
| | 3 | | | 25 | 38 | 38 | 63 | | | | | |
| | 4 | | | | 63 | 63 | 13 | 100 | 100 | 100 | 13 | 25 |
| | 5 | | | | | | | | | | 88 | 75 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11350205 | 188117074 | Director, licensing and registration | ( 7)19000<br>( 7)20061699 | ( 5)110503<br>( 8)BLANK | 555<br>8 | 22244344455<br>VPD | L456<br>I |
| 11350208 | 188117090 | Director, revenue | ( 7)19000<br>( 7)20061699 | ( 5)110503<br>( 8)BLANK | 655<br>8 | 11244344455<br>VDP | L456<br>I |
| 11350211 | 188117098 | District customs director | ( 7)19000<br>( 7)20061699 | ( 2)111004<br>( 8)BLANK | 555<br>8 | 22344444455<br>DVPM | S5<br>I |
| 11350214 | 188167010 | Appraiser | ( 1)25517<br>( 1)10243817 | ( 1)110603<br>( 8)BLANK | 555<br>7 | 22233244444<br>JMT | L246<br>B |
| 11350217 | 188167014 | Assessor-collector, irrigation tax | ( 7)19000<br>( 7)20061699 | ( 5)110503<br>( 8)BLANK | 555<br>8 | 22234244455<br>DIMPV | L56<br>I |
| 11350220 | 188167030 | Director, financial responsibility division | ( 7)19000<br>( 7)20061699 | ( 5)110503<br>( 8)BLANK | 444<br>6 | 22344344455<br>VDPJ | S5<br>I |
| 11350223 | 188167042 | Director, state-assessed properties | ( 7)19000<br>( 7)20061699 | ( 5)110503<br>( 8)BLANK | 555<br>7 | 12133344455<br>DPJMF | S5<br>I |
| 11350226 | 188167046 | District customs director, deputy | ( 7)19000<br>( 7)20061699 | ( 2)111004<br>( 8)BLANK | 555<br>7 | 22243344454<br>VDPM | S5<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

14 Associated DOT Titles

## 1139 OFFICIALS AND ADMINISTRATORS, PUBLIC ADMINISTRATION, N.E.C.

These people direct government agencies or departments that enforce government rules and regulations. Some direct programs for monitoring (overseeing) federal research contracts. Some direct agencies that control the sale of alcoholic drinks. Some direct programs to insure that official election procedures are followed. Duties of these workers vary widely, but may include: conducting investigations, providing information to the public, writing reports and letters, collecting data, and supervising staff.

## CODING TABLES

Total count = 14

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 12 | 2 | | | |
| % | 86 | 14 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | | 3 | 14 | 5 |
| % | 7 | | 21 | 100 | 36 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | 2 | 2 | 12 | 9 | 13 | | 1 | 1 | 7 |
| % | 64 | 14 | 14 | 86 | 64 | 93 | | 7 | 7 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 11 | 1 | | = 14 |
| % | | | | 14 | 79 | 7 | | |
| M freq | | | 3 | 6 | 5 | | | = 14 |
| % | | | 21 | 43 | 36 | | | |
| L freq | | | | 4 | 10 | | | = 14 |
| % | | | | 29 | 71 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 2 | 11 | |
| % | | | | | | 7 | 14 | 79 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 13 | 1 | | | | | | 1 | |
| % | 93 | 7 | | | | | | 7 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 2 | 1 | | | | | | | | |
| | 2 | 11 | 10 | 3 | | 1 | 1 | | | | 1 | |
| | 3 | 2 | 2 | 10 | 5 | 7 | 10 | 1 | | 1 | | |
| | 4 | | | | 9 | 6 | 3 | 13 | 13 | 11 | | 2 |
| | 5 | | | | | | | | 1 | 2 | 13 | 12 |
| | | | | | | percent | | | | | | |
| range | 1 | 7 | 14 | 7 | | | | | | | | |
| | 2 | 79 | 71 | 21 | | 7 | 7 | | | | 7 | |
| | 3 | 14 | 14 | 71 | 36 | 50 | 71 | 7 | | 7 | | |
| | 4 | | | | 64 | 43 | 21 | 93 | 93 | 79 | | 14 |
| | 5 | | | | | | | | 7 | 14 | 93 | 86 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 11390205 | 162117030 | Research-contracts supervisor | ( 13)19000<br>( 13)20061699 | ( 1)111204<br>( 13)BLANK | 655<br>8 | 22344344455<br>DJMP | S5<br>I |
| 11390208 | 169167018 | Contact representative | ( 13)19000<br>( 13)20061699 | ( 1)070101<br>( 13)BLANK | 535<br>6 | 22344244455<br>JP | S5<br>I |
| 11390211 | 169167042 | Park ranger | ( 13)19000<br>( 13)20061699 | ( 1)040203<br>( 1)01060200 | 434<br>7 | 33332434324<br>VPSJM | L2456<br>O6 |
| 11390214 | 185167062 | Supervisor, liquor stores and agencies | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 544<br>8 | 33344445554<br>DPJ | S56<br>I |
| 11390217 | 186117022 | Deputy insurance commissioner | ( 13)19000<br>( 13)20061699 | ( 1)111001<br>( 13)BLANK | 555<br>8 | 22343444455<br>VDPJM | S5<br>I |
| 11390220 | 188117034 | Director, aeronautics commission | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 545<br>8 | 22333344555<br>DPJM | S56<br>I |
| 11390223 | 188117038 | Director, agricultural services | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 555<br>8 | 22243344455<br>VDP | L456<br>I |
| 11390226 | 188117106 | Foreign-service officer | ( 13)19000<br>( 13)20061699 | ( 1)110903<br>( 13)BLANK | 545<br>8 | 21333344455<br>FIJPV | S5<br>I |
| 11390229 | 188167022 | Director of vital statistics | ( 13)19000<br>( 13)20061699 | ( 1)110102<br>( 13)BLANK | 555<br>8 | 12143344455<br>DPJMF | S5<br>I |
| 11390232 | 188167050 | Election assistant | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 534<br>7 | 22344344455<br>PDM | S5<br>I |
| 11390235 | 188167058 | Manager, office | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 444<br>8 | 22233344455<br>DJPV | S45<br>I |
| 11390238 | 188167082 | Secretary of state | ( 13)19000<br>( 13)20061699 | ( 6)110503<br>( 13)BLANK | 545<br>8 | 22244344455<br>JMPV | S5<br>I |

```
11390241 188217010  Commissioner of conciliation              ( 13)19000     (  1)110403   555  21333344455  S5
                                                              ( 13)20061699  ( 13)BLANK    8    VIJM         I

11390244 193167018  Superintendent, radio communications      (  1)34027     (  1)050204   545  22344344455  S56
                                                              (  1)10141000  ( 13)BLANK    8    DPJMT        I
```

11 Associated DOT Titles

## 121 GENERAL MANAGERS AND OTHER TOP EXECUTIVES

These people work as the heads of businesses, firms, agencies, and other organizations. They often are appointed. They plan, organize, direct, and control the major functions of the organization, through departmental managers and other executives, whom they direct. They set policies and goals, plan budgets, and select staff. These jobs include: **EDUCATIONAL INSTITUTION PRESIDENT, HOSPITAL ADMINISTRATOR, DEPARTMENT STORE MANAGER, FINANCIAL INSTITUTION PRESIDENT**, and other top management positions.

### CODING TABLES

Total count = 11

```
PHY      S   L   M   H   V
freq     9   2
%       82  18

PHY      2   3   4   5   6
freq             1  11
%                9 100
-------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq    11       1   8   3  10               6
%      100       9  73  27  91              55
-------------------------------------------
              attributes
    GED    1   2   3   4   5   6   7   freq
  R freq                   9   2        = 11
    %                     82  18
  M freq           2   2   7            = 11
    %             18  18  64
  L freq                  11            = 11
    %                    100
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                                 7   4
%                                   64  36
-------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq    11
%      100
-------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1    5   4
      2    6   7   6   1   1   2
      3            5   1   2   8
      4                9   8   1  11  11  11       1
      5                                       11  10
                          percent
range 1   45  36
      2   55  64  55   9   9  18
      3           45   9  18  73
      4               82  73   9 100 100 100       9
      5                                      100  91
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12100205 | 90117034 | President, educational institution | ( 10)19000<br>( 10)20061699 | ( 2)110703<br>( 9)BLANK | 535<br>9 | 11223244455<br>VDPJ | S5<br>I |
| 12100208 | 99117022 | Superintendent, schools | ( 10)19000<br>( 10)20061699 | ( 2)110703<br>( 9)BLANK | 535<br>9 | 21242244455<br>DIJ | S5<br>I |
| 12100211 | 184117014 | Director, transportation | ( 10)19000<br>( 10)20061699 | ( 4)110501<br>( 1)04190000 | 555<br>8 | 22244344454<br>DPM | S5<br>I |
| 12100214 | 185117010 | Manager, department store | ( 1)10035<br>( 1)20061612 | ( 2)110502<br>( 9)BLANK | 545<br>8 | 22244344455<br>VDJP | S45<br>I |
| 12100217 | 186117034 | Manager, brokerage office | ( 10)19000<br>( 10)20061699 | ( 1)110504<br>( 9)BLANK | 555<br>8 | 11244344455<br>DJP | S5<br>I |
| 12100220 | 186117054 | President, financial institution | ( 10)19000<br>( 10)20061699 | ( 4)110501<br>( 9)BLANK | 655<br>9 | 11344344455<br>DJMP | S5<br>I |
| 12100223 | 187117010 | Administrator, hospital | ( 10)19000<br>( 10)20061699 | ( 1)110702<br>( 9)BLANK | 555<br>8 | 12344344455<br>VDPJ | L5<br>I |
| 12100226 | 187117018 | Director, institution | ( 10)19000<br>( 10)20061699 | ( 1)110701<br>( 9)BLANK | 655<br>8 | 12344344455<br>DJPV | L5<br>I |
| 12100229 | 189117022 | Manager, industrial organization | ( 10)19000<br>( 10)20061699 | ( 4)110501<br>( 1)04120000 | 555<br>8 | 22333444455<br>VDP | S5<br>I |
| 12100232 | 189117026 | President | ( 10)19000<br>( 10)20061699 | ( 4)110501<br>( 9)BLANK | 555<br>9 | 22344344455<br>DJP | S5<br>I |
| 12100235 | 189117034 | Vice president | ( 10)19000<br>( 10)20061699 | ( 2)110502<br>( 9)BLANK | 545<br>8 | 22244344455<br>VDPM | S5<br>I |

8 Associated DOT Titles

## 122 FINANCIAL MANAGERS

**FINANCIAL MANAGERS** are in charge of departments that handle money earned and spent by companies or government agencies. They help companies and agencies use their money wisely. Generally, their work duties include interpreting financial policies and laws, directing staff, and preparing financial reports.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 8 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 8 | 1 |
| % | | | | 100 | 13 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | 1 | | 5 | 3 | 6 | | | 2 | 2 |
| % | 100 | 13 | | 63 | 38 | 75 | | | 25 | 25 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 8 | | | = 8 |
| % | | | | | 100 | | | |
| M freq | | | | 1 | 7 | | | = 8 |
| % | | | | 13 | 88 | | | |
| L freq | | | | 3 | 5 | | | = 8 |
| % | | | | 38 | 63 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 5 | 2 |
| % | | | | | | | 13 | 63 | 25 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 2 | 2 | | | | | | | | |
| | 2 | 5 | 6 | 6 | | | 2 | | | | | |
| | 3 | | | | 2 | 3 | 6 | | | | | |
| | 4 | | | | 6 | 5 | | 8 | 8 | 8 | | |
| | 5 | | | | | | | | | | 8 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | 38 | 25 | 25 | | | | | | | | |
| | 2 | 63 | 75 | 75 | | | 25 | | | | | |
| | 3 | | | | 25 | 38 | 75 | | | | | |
| | 4 | | | | 75 | 63 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12200205 | 161117018 | Treasurer | ( 8)19000<br>( 8)20061699 | ( 2)110603<br>( 1)14080200 | 555<br>8 | 22244244455<br>DPM | S5<br>I |
| 12200208 | 186117014 | Controller | ( 8)19000<br>( 8)20061699 | ( 1)110602<br>( 3)BLANK | 554<br>8 | 12143344455<br>DPM | S5<br>I |
| 12200211 | 186117038 | Manager, financial institution | ( 8)19000<br>( 8)20061699 | ( 4)110502<br>( 3)04040000 | 544<br>8 | 11233344455<br>DJP | S5<br>I |
| 12200214 | 186117070 | Treasurer, financial institution | ( 8)19000<br>( 8)20061699 | ( 1)110605<br>( 3)04040000 | 555<br>9 | 22244344455<br>VDPJ | S5<br>I |
| 12200217 | 186117078 | Vice president, financial institution | ( 8)19000<br>( 8)20061699 | ( 4)110502<br>( 3)BLANK | 555<br>8 | 11233344455<br>DJP | S5<br>I |
| 12200220 | 186167022 | Manager, credit card operations | ( 8)19000<br>( 8)20061699 | ( 4)110502<br>( 3)BLANK | 555<br>8 | 22244344455<br>VDJF | S5<br>I |
| 12200223 | 186167026 | Manager, credit union | ( 8)19000<br>( 8)20061699 | ( 4)110502<br>( 1)14080500 | 555<br>7 | 22244344455<br>DPT | S5<br>I |
| 12200226 | 186167054 | Reserve officer | ( 8)19000<br>( 8)20061699 | ( 2)110603<br>( 3)04040000 | 554<br>9 | 22144244455<br>DJMT | S56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 123 PERSONNEL AND LABOR RELATIONS MANAGERS

These people manage programs concerned with the employment and treatment of workers. They set company policy on the employment, pay, and training of workers. They see to it that workers are informed of their employment rights and benefits. Some plan and direct employee relations, benefits, training, or staff development programs. Some manage a company safety, insurance, or pension program. Some direct a personnel office. These workers supervise staff, keep records, and compile management and government reports.

### CODING TABLES

Total count = 5

```
PHY       S   L   M   H   V
freq      4   1
%        80  20

PHY       2   3   4   5   6
freq                  5
%                   100
-------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq      5   1   1   4   4   5               1
%       100  20  20  80  80 100              20
-------------------------------------------------
              attributes
   GED    1   2   3   4   5   6   7   freq
 R freq               1   3   1        = 5
   %                 20  60  20
 M freq               2   3            = 5
   %                 40  60
 L freq               1   4            = 5
   %                 20  80
```

```
SVP       1   2   3   4   5   6   7   8   9
freq                              2   3
%                                40  60
-------------------------------------------------
ENV       1   0   B   2   3   4   5   6   7
freq      5
%       100
-------------------------------------------------
APT          G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1      1   1
      2      4   4   4           1
      3              1   2   2   4
      4                              2   1   2       1
      5                  3   3       3   4   3   5   4
                           percent
range 1     20  20
      2     80  80  80          20
      3             20  40  40  80
      4                             40  20  40      20
      5                 60  60      60  80  60 100  80
```

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | BOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12300205 | 166117010 | Director, industrial relations | ( 5)25465<br>( 5)10242802 | ( 4)110502<br>( 4)14060300 | 555<br>8 | 22255355555<br>DPJM | S5<br>I |
| 12300208 | 166117018 | Manager, personnel | ( 5)25465<br>( 5)10242802 | ( 4)110502<br>( 4)14060300 | 555<br>8 | 11233344455<br>VDPJF | S5<br>I |
| 12300211 | 166167018 | Manager, benefits | ( 5)25465<br>( 5)10242802 | ( 4)110502<br>( 4)14060300 | 444<br>7 | 22255255555<br>DPM | S5<br>I |
| 12300214 | 166167026 | Manager, education and training | ( 5)25465<br>( 5)10242802 | ( 1)110703<br>( 1)14060100 | 655<br>7 | 22233345454<br>DPIJM | L5<br>I |
| 12300217 | 166167030 | Manager, employment | ( 5)25465<br>( 5)10242802 | ( 4)110502<br>( 4)14060300 | 545<br>8 | 22355355555<br>DPJM | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 124 PURCHASING MANAGERS

**PURCHASING MANAGERS** plan and coordinate buying activities for a store or company. They supervise the work of buyers, purchasing officers, and other workers who order and buy materials, products, or services needed by the store or company. These items may be needed for operations in a business or as merchandise to be resold in a store. **PURCHASING MANAGERS** also review purchase orders and requests, decide the amount of goods to be stocked, set prices for goods, and set up contracts with supply houses.

### CODING TABLES

Total count = 3

```
PHY      S   L   M   N   V
freq     3
%      100


PHY      2   3   4   5   6
freq             1   3
%               33 100
-----------------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     3           3   2   3               2
%      100         100  67 100              67
-----------------------------------------------------------
               attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                2   1            =  3
   %                  67  33
 M freq            1   2                =  3
   %              33  67
 L freq                3                =  3
   %                 100
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             2   1
%                               67  33
-----------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     3
%      100
-----------------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1
      2  3   3   2           1
      3          1           1
      4              3   3   1   3   3   3
      5                                      3   3
                          percent
range 1
      2 100 100  67          33
      3          33          33
      4            100 100   33 100 100 100
      5                                    100 100
```

```
                                                   OES Survey     GOE            GED  Aptitudes    Phy. Dem
Unique   DOT                 DOT                   over           over           over over         over
Code     Code                Title                 OES Matrix     USOE           SVP  Temperaments Env. Cond

12400205 162167022 Manager, procurement services   (  2)19000     (  2)110502    444  22244244455  S5
                                                   (  2)20061699  (  1)14089900 7    DJMPV        I

12400208 184117078 Superintendent, commissary      (  2)19000     (  2)110502    544  22244344455  S5
                                                   (  2)20061699  (  1)BLANK    8    VDPJM        I

12400211 185167034 Manager, merchandise            (  1)10032     (  1)110504    434  22344444455  S45
                                                   (  1)20020800  (  1)04080000 7    DPJ          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

## 125 MANAGERS; MARKETING, ADVERTISING, AND PUBLIC RELATIONS

People in these jobs manage marketing, sales, advertising, or public relations departments in businesses and other organizations. They develop policies and programs for promoting the sale of a firm's products or services. They plan, organize, and direct departmental activities; train, supervise, and evaluate staff; and deal with business and other groups to promote sales. They study sales records and prepare progress reports. They may plan and direct advertising or sales campaigns.

### CODING TABLES

Total count = 13

```
PHY      S   L   M   H   V
freq     8   5
%       62  38

PHY      2   3   4   5   6
freq             2  13   1
%               15 100   8
--------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq    12   1   7   8   5  12               6
%       92   8  54  62  38  92              46
--------------------------------------------------
                 attributes
  GED     1   2   3   4   5   6   7   freq
 R freq               1  11   1       = 13
   %                  8  65   8
 M freq           5   6   2           = 13
   %             38  46  15
 L freq           1   7   5           = 13
   %              8  54  38
```

```
SVP    1  2  3  4  5  6  7  8  9
freq                  1  2 10
%                     8 15 77
--------------------------------------------------
ENV    I  O  B  2  3  4  5  6  7
freq  13
%    100
--------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2 13  12   6   1
      3      1   7   5   5  10                   3
      4                  7   8   3  13  12  13
      5                                  1      13  10
                       percent
range 1
      2 100  92  46   8
      3       8  54  38  38  77                 23
      4                  54  62  23 100  92 100
      5                                  8     100  77
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12500205 | 163117014 | Manager, export | ( 11)19000<br>( 11)20061699 | ( 4)110504<br>( 1)04140000 | 555<br>8 | 22244344455<br>DJPIV | S5<br>I |
| 12500208 | 163117018 | Manager, promotion | ( 11)19000<br>( 11)20061699 | ( 7)110901<br>( 3)BLANK | 534<br>8 | 22344444455<br>DJPV | L5<br>I |
| 12500211 | 163167010 | Manager, advertising | ( 11)19000<br>( 11)20061699 | ( 7)110901<br>( 3)BLANK | 535<br>8 | 22233344455<br>DPJ | S5<br>I |
| 12500214 | 163167018 | Manager, sales | ( 11)19000<br>( 11)20061699 | ( 4)110504<br>( 4)04010000 | 535<br>8 | 22233344455<br>VDPIJ | S5<br>I |
| 12500217 | 163167022 | Manager, utility sales and service | ( 11)19000<br>( 11)20061699 | ( 4)110504<br>( 2)04120000 | 544<br>8 | 22244344455<br>DPJMV | S5<br>I |
| 12500220 | 163267010 | Field representative | ( 11)19000<br>( 11)20061699 | ( 4)110504<br>( 2)04030000 | 543<br>6 | 22334344455<br>DIMP | L5<br>I |
| 12500223 | 164117010 | Manager, advertising | ( 11)19000<br>( 11)20061699 | ( 7)110901<br>( 4)04010000 | 655<br>8 | 22234444455<br>VDPJ | S5<br>I |
| 12500226 | 164117014 | Manager, advertising agency | ( 11)19000<br>( 11)20061699 | ( 7)110901<br>( 4)04010000 | 534<br>8 | 22323344453<br>DPM | S5<br>I |
| 12500229 | 164167010 | Account executive | ( 1)79000<br>( 1)30001899 | ( 7)110901<br>( 4)04010000 | 534<br>8 | 22333344453<br>DPIJF | S5<br>I |
| 12500232 | 185157010 | Fashion coordinator | ( 1)10033<br>( 1)20061611 | ( 7)110901<br>( 1)04020000 | 545<br>7 | 22343444453<br>PIJ | L456<br>I |
| 12500235 | 185157014 | Supervisor of sales | ( 11)19000<br>( 11)20061699 | ( 7)110901<br>( 3)BLANK | 444<br>7 | 22244344455<br>DPI | L45<br>I |
| 12500238 | 187167162 | Manager, vehicle leasing and rental | ( 11)19000<br>( 11)20061699 | ( 1)111105<br>( 2)04030000 | 544<br>8 | 23344345455<br>DIMV | L5<br>I |

```
12500241 189117018  Manager, customer technical              ( 11)19000      (  1)050203   544  22344344455  S5
                    services                                 ( 11)20061699   (  2)04120000 8    DPM          I
```

2 Associated DOT Titles

## 126 MANAGERS; ENGINEERING, MATHEMATICS, AND NATURAL SCIENCE

These MANAGERS direct research and development programs. They may work in industry, business, education, science, or a related area. They plan projects; assign, schedule, and review project work; and interpret policies and goals to staff. They consult with management to set research or production goals, and then develop methods and procedures to achieve those goals. They supervise projects and prepare reports for management. They also may direct the training of project staff.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | | | |
| % | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 2 | |
| % | | | | | | | | 100 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | 1 |
| % | | | 50 | 100 | 50 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 1 | 2 | 2 | | | | 2 |
| % | 100 | | | 50 | 100 | 100 | | | | 100 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | | | | | | | | |
| | 2 | 1 | 1 | 1 | 2 | 1 | | | | | | |
| | 3 | | | | | 1 | 1 | | | | | |
| | 4 | | | | | | 1 | 2 | 2 | 2 | 1 | 1 |
| | 5 | | | | | | | | | | 1 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 50 | 50 | 50 | | | | | | | | |
| | 2 | 50 | 50 | 50 | 100 | 50 | | | | | | |
| | 3 | | | | | 50 | 50 | | | | | |
| | 4 | | | | | | 50 | 100 | 100 | 100 | 50 | 50 |
| | 5 | | | | | | | | | | 50 | 50 |

| | | | | attributes | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 1 | 1 | | = 2 |
| % | | | | | 50 | 50 | | |
| M freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |
| L freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12600205 | 169167030 | Manager, electronic data processing | ( 2)19000<br>( 2)20061699 | ( 1)110101<br>( 1)14020000 | 655<br>8 | 11122344445<br>VDPJM | S456<br>I |
| 12600208 | 189117014 | Director, research and development | ( 2)19000<br>( 2)20061699 | ( 1)050101<br>( 1)BLANK | 555<br>8 | 22223444454<br>VDPM | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 127 MANAGERS; SOCIAL SCIENCES AND RELATED FIELDS

These people plan, develop, and direct programs designed to help meet a community's needs for health, welfare, and social support services. Some direct programs to raise funds for an agency or organization. Some direct programs to coordinate the work of health and welfare programs. Some set up and direct service organizations for youth. Some direct a sheltered workshop to give handicapped people on-the-job training. Some direct programs to recruit, train, and place volunteer workers. Some manage centers that provide housing and care for the very needy.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | 2 | | | |
| % | 75 | 25 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 8 | 1 |
| % | | | | 100 | 13 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | 1 | 4 | 2 | 1 | 7 | | | | 5 |
| % | 100 | 13 | 50 | 25 | 13 | 88 | | | | 63 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 7 | 1 | | = 8 |
| % | | | | | 88 | 13 | | |
| M freq | | | 1 | 5 | 2 | | | = 8 |
| % | | | 13 | 63 | 25 | | | |
| L freq | | | | 2 | 5 | 1 | | = 8 |
| % | | | | 25 | 63 | 13 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 6 | |
| % | | | | | | | 25 | 75 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | | | | | | |
| % | 88 | | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 2 | 2 | | | | | | | | | |
| | 2 | 6 | 6 | 1 | | | | | | | | |
| | 3 | | | 7 | 2 | 2 | 5 | | | | | |
| | 4 | | | | 6 | 6 | 3 | 8 | 8 | 8 | | |
| | 5 | | | | | | | | | | 8 | 8 |
| percent | | | | | | | | | | | | |
| range | 1 | 25 | 25 | | | | | | | | | |
| | 2 | 75 | 75 | 13 | | | | | | | | |
| | 3 | | | 88 | 25 | 25 | 63 | | | | | |
| | 4 | | | | 75 | 75 | 38 | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12700205 | 165117010 | Director, fundraising | ( 8)19000<br>( 8)20061699 | ( 1)110902<br>( 8)BLANK | 545<br>8 | 22244344455<br>DPIJ | S5<br>I |
| 12700208 | 187117014 | Director, community organization | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 555<br>8 | 22334344455<br>VDP | S5<br>I |
| 12700211 | 187117022 | District adviser | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 545<br>8 | 22344444455<br>DIPV | S5<br>I |
| 12700214 | 187117026 | Executive director, sheltered workshop | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 544<br>8 | 22333344455<br>DPM | S5<br>I |
| 12700217 | 187117046 | Program director, group work | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 555<br>8 | 11344444455<br>DP | L56<br>I |
| 12700220 | 187167038 | Director, volunteer services | ( 8)19000<br>( 8)20061699 | ( 1)110702<br>( 8)BLANK | 544<br>7 | 22344344455<br>VDP | S5<br>I |
| 12700223 | 195117010 | Administrator, social welfare | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 636<br>8 | 11344444455<br>DIPV | S5<br>I |
| 12700226 | 195167038 | Rehabilitation center manager | ( 8)19000<br>( 8)20061699 | ( 6)110701<br>( 8)BLANK | 545<br>7 | 22343344455<br>VDIJF | L5<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

12 Associated DOT Titles

## 1281 ADMINISTRATORS; COLLEGES AND UNIVERISITIES

These people plan, organize, and direct activities and programs in a college or university. They work as deans or as directors of admissions, athletics, alumni, or other department. They establish policies, programs and standards for the departments they represent. They select and supervise staff, prepare budgets and schedules, and evaluate programs and services. They hold departmental meetings and advise on matters related to their assigned areas. They also take part in school functions and promote good public relations.

### CODING TABLES

Total count = 12

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 12 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 12 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | 5 | 6 | 3 | 12 | | | | 2 |
| % | 100 | | 42 | 50 | 25 | 100 | | | | 17 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 10 | 2 | | = 12 |
| % | | | | | 83 | 17 | | |
| M freq | | | 9 | | 3 | | | = 12 |
| % | | | 75 | | 25 | | | |
| L freq | | | | | 12 | | | = 12 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 8 | 4 |
| % | | | | | | | | 67 | 33 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 2 | 4 | 1 | | | | | | | | |
| | 2 | 10 | 8 | 7 | | | 12 | | | | | |
| | 3 | | | 4 | | 10 | | | | | | |
| | 4 | | | | 12 | 2 | | 12 | 12 | 12 | | |
| | 5 | | | | | | | | | | 12 | 12 |
| percent | | | | | | | | | | | | |
| range | 1 | 17 | 33 | 8 | | | | | | | | |
| | 2 | 83 | 67 | 58 | | | 100 | | | | | |
| | 3 | | | 33 | | 83 | | | | | | |
| | 4 | | | | 100 | 17 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12810205 | 90117010 | Academic dean | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 535<br>9 | 21343244455<br>DPIJ | S5<br>I |
| 12810208 | 90117014 | Alumni secretary | ( 12)19000<br>( 12)20061699 | ( 1)110902<br>( 12)BLANK | 535<br>8 | 22343244455<br>DPI | S5<br>I |
| 12810211 | 90117018 | Dean of students I | ( 12)19000<br>( 12)20061699 | ( 1)100102<br>( 12)BLANK | 535<br>8 | 22243244455<br>DPI | S5<br>I |
| 12810214 | 90117022 | Director, athletic | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 535<br>9 | 22343244455<br>VDPM | S5<br>I |
| 12810217 | 90117026 | Director, extension work | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 635<br>9 | 11243244455<br>VDPIJ | S5<br>I |
| 12810220 | 90117030 | Financial-aids officer | ( 12)19000<br>( 12)20061699 | ( 1)070101<br>( 12)BLANK | 535<br>8 | 22244244455<br>DP | S5<br>I |
| 12810223 | 90167014 | Director of admissions | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 535<br>8 | 22343244455<br>DP | S5<br>I |
| 12810226 | 90167018 | Director of institutional research | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 655<br>8 | 21243244455<br>DJP | S5<br>I |
| 12810229 | 90167022 | Director of student affairs | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 535<br>8 | 22243244455<br>DPIJ | S5<br>I |
| 12810232 | 90167026 | Director, summer sessions | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 535<br>9 | 22243244455<br>DPM | S5<br>I |
| 12810235 | 90167030 | Registrar, college or university | ( 12)19000<br>( 12)20061699 | ( 8)110703<br>( 12)BLANK | 555<br>8 | 22243244455<br>DPJ | S5<br>I |
| 12810238 | 186117010 | Business manager, college or university | ( 12)19000<br>( 12)20061699 | ( 1)110502<br>( 12)BLANK | 555<br>8 | 11144244455<br>DPJM | S5<br>I |

2 Associated DOT Titles

## 1282 ADMINISTRATORS; ELEMENTARY AND SECONDARY EDUCATION

These people work as **PRINCIPALS, ASSISTANT PRINCIPALS,** or **DEANS** in public and private grade schools and high schools. They direct educational, administrative, and counseling activities and see to it that school programs meet state and school board standards. They plan school programs, enforce school rules, assign teachers and pupils to classes and counsel students on personal and academic matters. They also order school supplies and equipment.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 2 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | 1 | 2 | | 2 | | | | |
| % | 100 | | 50 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 2 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 2 | 1 | | | | | | | | |
| | 3 | | | 1 | | | 2 | | | | | |
| | 4 | | | | 2 | 2 | | 2 | 2 | 2 | | |
| | 5 | | | | | | | | | | 2 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 50 | | | | | | | | |
| | 3 | | | 50 | | | 100 | | | | | |
| | 4 | | | | 100 | 100 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12820205 | 91107010 | Dean of students II | ( 2)19000<br>( 2)20061699 | ( 1)100102<br>( 2)BLANK | 535<br>8 | 22344344455<br>DPIJ | S5<br>I |
| 12820208 | 99117018 | Principal | ( 2)19000<br>( 2)20061699 | ( 1)110703<br>( 2)BLANK | 535<br>8 | 22244344455<br>DPJ | S5<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

14 Associated DOT Titles

## 1283 ADMINISTRATORS; EDUCATION AND RELATED FIELDS, N.E.C.

These people plan and direct educational programs for places such as health agencies, day care centers, prisons, libraries, and private companies. They organize educational programs, interpret policies and programs to teachers and other staff, and advise on teaching methods and practices. They prepare budgets, approve purchases, and conduct surveys to see that policies and procedures are being followed. They may plan courses, prepare teaching materials, and provide training. They also keep records and write reports.

### CODING TABLES

Total count = 14

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 12 | 2 | | | |
| % | 86 | 14 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 13 | |
| % | | | 21 | 93 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | 6 | 7 | 4 | 14 | | | | 6 |
| % | 86 | | 43 | 50 | 29 | 100 | | | | 43 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 10 | 2 | | = 14 |
| % | | | | 14 | 71 | 14 | | |
| M freq | | | 8 | 4 | 2 | | | = 14 |
| % | | | 57 | 29 | 14 | | | |
| L freq | | | | 2 | 12 | | | = 14 |
| % | | | | 14 | 86 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 11 | 1 |
| % | | | | | | | 14 | 79 | 7 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 14 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 3 | | | | | | | | | |
| | 2 | 11 | 11 | 4 | | 1 | 9 | 1 | | | | |
| | 3 | | | 10 | 2 | 7 | 4 | | 1 | 1 | | 2 |
| | 4 | | | | 12 | 6 | 1 | 13 | 13 | 12 | | 1 |
| | 5 | | | | | | | | | 1 | 14 | 11 |
| | | | | | | percent | | | | | | |
| range | 1 | 21 | 21 | | | | | | | | | |
| | 2 | 79 | 79 | 29 | | 7 | 64 | 7 | | | | |
| | 3 | | | 71 | 14 | 50 | 29 | | 7 | 7 | | 14 |
| | 4 | | | | 86 | 43 | 7 | 93 | 93 | 86 | | 7 |
| | 5 | | | | | | | | | 7 | 100 | 79 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 12830205 | 75117010 | Consultant, educational, state board of nursing | ( 10)19000<br>( 10)20061699 | ( 1)110702<br>( 14)BLANK | 545<br>8 | 11244244453<br>VDPM | S4<br>I |
| 12830208 | 75117018 | Director, educational, community-health nursing | ( 10)19000<br>( 10)20061699 | ( 1)100201<br>( 14)BLANK | 545<br>8 | 11233344455<br>VDPM | S5<br>I |
| 12830211 | 92137010 | Director, preschool | ( 10)19000<br>( 10)20061699 | ( 7)110703<br>( 14)BLANK | 434<br>7 | 22344344455<br>DIP | S5<br>I |
| 12830214 | 94117010 | Director, commission for the blind | ( 10)19000<br>( 10)20061699 | ( 1)110701<br>( 14)BLANK | 545<br>8 | 22344444555<br>VDPJ | S5<br>I |
| 12830217 | 94117014 | Director, special education | ( 10)19000<br>( 10)20061699 | ( 7)110703<br>( 14)BLANK | 655<br>9 | 22343244455<br>DPIJ | S5<br>I |
| 12830220 | 96161010 | Home-service director | ( 1)25532<br>( 4)10243899 | ( 2)110203<br>( 14)BLANK | 535<br>8 | 22333344453<br>VDPI | L5<br>I |
| 12830223 | 96167014 | Specialist-in-charge, extension service | ( 3)29000<br>( 4)10243899 | ( 2)110203<br>( 14)BLANK | 535<br>8 | 22344244453<br>DIJP | S5<br>I |
| 12830226 | 97167010 | Director, vocational training | ( 10)19000<br>( 10)20061699 | ( 7)110703<br>( 14)BLANK | 535<br>8 | 22343244455<br>DPMI | S5<br>I |
| 12830229 | 99117010 | Director, educational program | ( 10)19000<br>( 10)20061699 | ( 7)110703<br>( 14)BLANK | 535<br>8 | 22243244455<br>DPJ | S5<br>I |
| 12830232 | 99117014 | Education supervisor, correctional institution | ( 10)19000<br>( 10)20061699 | ( 7)110703<br>( 14)BLANK | 535<br>8 | 22344244455<br>PI | S5<br>I |
| 12830235 | 99117026 | Supervisor, education | ( 3)29000<br>( 4)10243899 | ( 7)110703<br>( 14)BLANK | 535<br>8 | 22344244455<br>DPJ | L5<br>I |
| 12830238 | 100117010 | Library director | ( 10)19000<br>( 10)20061699 | ( 1)110704<br>( 14)BLANK | 645<br>8 | 11343244455<br>VDPJ | S45<br>I |

```
12830241 169267022  Secretary, board-of-education          ( 10)19000     (  1)070102   555  22242223354  S45
                                                           ( 10)20061699  ( 14)BLANK    7    JMPV         I

12830244 239137010  Commercial-instructor supervisor       (  3)29000     (  7)110703   434  22343344455  S5
                                                           (  4)10243899  ( 14)BLANK    8    DP           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

### 131 MANAGERS; MEDICINE AND HEALTH

These people are in charge of medical and health services in hospitals, clinics, businesses, or schools. Some direct the nursing services of a community health agency, hospital, or industrial firm. Some are in charge of the educational program of a nursing school or direct the medical records system of a hospital. Some administer a medical emergency service program. These MANAGERS prepare budgets, hire staff, plan and direct health care services, keep records, prepare reports, and evaluate medical services and staff.

CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 2 | | | |
| % | 67 | 33 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 6 | 1 |
| % | | | 17 | 100 | 17 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | 2 | 6 | | 1 | 2 | 4 |
| % | 83 | | | | 33 | 100 | | 17 | 33 | 67 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 4 | 1 | | = 6 |
| % | | | | 17 | 67 | 17 | | |
| M freq | | | | 5 | 1 | | | = 6 |
| % | | | | 83 | 17 | | | |
| L freq | | | | 1 | 4 | 1 | | = 6 |
| % | | | | 17 | 67 | 17 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 6 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 1 | 2 | | | | | | | | | |
| | 2 | 5 | 4 | 4 | | | 4 | | | | | |
| | 3 | | | 2 | 3 | 2 | 2 | | | | | |
| | 4 | | | | 3 | 4 | | 6 | 6 | 6 | 1 | 1 |
| | 5 | | | | | | | | | | 5 | 5 |
| percent | | | | | | | | | | | | |
| range | 1 | 17 | 33 | | | | | | | | | |
| | 2 | 83 | 67 | 67 | | | 67 | | | | | |
| | 3 | | | 33 | 50 | 33 | 33 | | | | | |
| | 4 | | | | 50 | 67 | | 100 | 100 | 100 | 17 | 17 |
| | 5 | | | | | | | | | | 83 | 83 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13100205 | 75117014 | Director, community-health nursing | ( 5)19000<br>( 5)20061699 | ( 6)110702<br>( 6)BLANK | 545<br>8 | 22244244455<br>VDP | S5<br>I |
| 13100208 | 75117022 | Director, nursing service | ( 5)19000<br>( 5)20061699 | ( 6)110702<br>( 6)BLANK | 545<br>8 | 22244244455<br>VDP | S5<br>I |
| 13100211 | 75117026 | Director, occupational health nursing | ( 5)19000<br>( 5)20061699 | ( 6)110702<br>( 6)BLANK | 545<br>8 | 22233244444<br>VDPMT | S56<br>I |
| 13100214 | 75117030 | Director, school of nursing | ( 5)19000<br>( 5)20061699 | ( 6)110702<br>( 6)BLANK | 545<br>8 | 21234244455<br>VDP | S5<br>I |
| 13100217 | 79117010 | Emergency medical services coordinator | ( 5)19000<br>( 5)20061699 | ( 6)110702<br>( 6)BLANK | 444<br>8 | 22333344455<br>DPS | L5<br>I |
| 13100220 | 79167014 | Medical-record administrator | ( 1)34048<br>( 1)10120600 | ( 6)110702<br>( 6)BLANK | 656<br>8 | 11344344455<br>PMT | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

15 Associated DOT Titles

## 132 PRODUCTION MANAGERS, INDUSTRIAL

These MANAGERS plan, and direct production activities in plants and factories. They determine work procedures and work through departmental supervisors to control the production, distribution, and marketing of goods. They hire and fire workers and keep production and other work records. They review progress reports and reschedule work so that deadlines can be met. They interpret and enforce company rules and regulations. They also direct the training and assignment of workers, and prepare budgets and reports for management.

CODING TABLES                                        Total count = 15

```
PHY      S   L   M   H   V
freq     3  12
%       20  80

PHY      2   3   4   5   6
freq             1  15   4
%                7 100  27

TEMP     D   F   I   J   M   P   R   S   T   V
freq    14       1   6   7  14           4   4
%       93       7  40  47  93          27  27

              attributes
   GED    1   2   3   4   5   6   7   freq
 R freq               3  12            = 15
   %                 20  80
 M freq           3  11   1            = 15
   %             20  73   7
 L freq              15                = 15
   %                100
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         1   1  13
%                            7   7  87

ENV      I   O   B   2   3   4   5   6   7
freq    11       4           1   1       2
%       73      27           7   7      13

APT      G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2 14  12   7   5   2
      3  1   3   8   8   9  13   1   1   1       2
      4                  2   4   2  14  14  14   1   2
      5                                         14  11
                      percent
range 1
      2 93  80  47  33  13
      3  7  20  53  53  60  87   7   7   7      13
      4                 13  27  13  93  93  93   7  13
      5                                         93  73
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13200205 | 180167054 | Superintendent | ( 15)19000<br>( 15)20061699 | ( 1)030101<br>( 1)01010200 | 544<br>7 | 22344344455<br>DT | L56<br>B |
| 13200208 | 181117010 | Manager, bulk plant | ( 15)19000<br>( 15)20061699 | ( 1)050207<br>( 1)04160000 | 544<br>8 | 22233444455<br>DPM | L5<br>I |
| 13200211 | 182167022 | Superintendent, concrete-mixing plant | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 444<br>6 | 22244344453<br>P | S5<br>B57 |
| 13200214 | 183117010 | Manager, branch | ( 15)19000<br>( 15)20061699 | ( 2)110502<br>( 1)04120000 | 544<br>8 | 22334344455<br>DPIM | S5<br>I |
| 13200217 | 183117014 | Production superintendent | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 544<br>8 | 22333344455<br>DJPV | L5<br>I |
| 13200220 | 183161014 | Wine maker | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 534<br>8 | 23222333343<br>DPJM | L56<br>I47 |
| 13200223 | 183167010 | Brewing director | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 544<br>8 | 22233344453<br>DJPT | L456<br>I |
| 13200226 | 183167014 | General superintendent, milling | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 544<br>8 | 22323344455<br>DP | L5<br>I |
| 13200229 | 183167018 | General supervisor | ( 15)19000<br>( 15)20061699 | ( 1)060101<br>( 10)BLANK | 544<br>8 | 22323344455<br>DPJM | L5<br>I |
| 13200232 | 183167022 | General supervisor | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 434<br>8 | 23333344454<br>VDPT | L5<br>I |
| 13200235 | 183167026 | Manager, food processing plant | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 1)01040100 | 544<br>8 | 22333344454<br>VDPJ | L5<br>I |
| 13200238 | 183167034 | Superintendent, car construction | ( 15)19000<br>( 15)20061699 | ( 8)050203<br>( 10)BLANK | 554<br>8 | 22222344455<br>DPMT | S5<br>I |

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13200241 183167038  Superintendent, logging                     ( 15)19000      (  1)050205   544  22234344455  L56
                                                                ( 15)20061699   (  1)01070300 B    DPM          B

13200244 189167042  Superintendent, labor utilization           ( 15)19000      (  2)110502   434  33333344455  L5
                                                                ( 15)20061699   ( 10)BLANK    B    DJPV         B

13200247 189167046  Superintendent, maintenance                 ( 15)19000      (  1)050202   544  22223444455  L5
                                                                ( 15)20061699   ( 10)BLANK    B    DPM          I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

## 133 CONSTRUCTION MANAGERS

These people manage construction operations for firms that build and repair structures such as buildings, bridges, roads and dams. They work through on-site supervisors to plan and direct construction activities. They study building plans and estimate the materials, labor, and equipment required to complete work. They establish work procedures, order supplies and materials, review progress reports, and issue decisions on staff and equipment requests. They also handle technical matters and union and service contracts.

### CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 5 | | | |
| % | 17 | 83 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 6 | 2 |
| % | | | | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | 3 | 4 | 6 | | | 1 | 6 |
| % | 100 | | | 50 | 67 | 100 | | | 17 | 100 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 3 | | | = 6 |
| % | | | | 50 | 50 | | | |
| M freq | | | 1 | 2 | 3 | | | = 6 |
| % | | | 17 | 33 | 50 | | | |
| L freq | | | 1 | 5 | | | | = 6 |
| % | | | 17 | 83 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 4 | |
| % | | | | | | | 33 | 67 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 5 | | | | 2 | | |
| % | 17 | | 83 | | | | 33 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 4 | 3 | 4 | 4 | 2 | | | | | | |
| | 3 | 2 | 3 | 2 | 2 | 4 | 6 | 1 | 1 | 1 | 1 | 2 |
| | 4 | | | | | | | 5 | 5 | 5 | 2 | 2 |
| | 5 | | | | | | | | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 67 | 50 | 67 | 67 | 33 | | | | | | |
| | 3 | 33 | 50 | 33 | 33 | 67 | 100 | 17 | 17 | 17 | 17 | 33 |
| | 4 | | | | | | | 83 | 83 | 83 | 33 | 33 |
| | 5 | | | | | | | | | | 50 | 33 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13300205 | 182167010 | Contractor | ( 6)19000<br>( 6)20061699 | ( 1)111204<br>( 6)BLANK | 444<br>7 | 33222333333<br>VDPM | L56<br>B5 |
| 13300208 | 182167014 | Landscape contractor | ( 6)19000<br>( 6)20061699 | ( 1)030103<br>( 6)BLANK | 444<br>8 | 33233344453<br>DJPV | L5<br>B |
| 13300211 | 182167018 | Railroad-construction director | ( 6)19000<br>( 6)20061699 | ( 4)050202<br>( 6)BLANK | 433<br>8 | 22333344454<br>DJMPV | L5<br>B5 |
| 13300214 | 182167026 | Superintendent, construction | ( 6)19000<br>( 6)20061699 | ( 4)050202<br>( 6)BLANK | 554<br>8 | 23223344445<br>VDP | L5<br>B |
| 13300217 | 182167030 | Superintendent, maintenance of way | ( 6)19000<br>( 6)20061699 | ( 4)050202<br>( 6)BLANK | 554<br>8 | 22222344455<br>VDPJM | S5<br>I |
| 13300220 | 182167034 | Supervisor, bridges and buildings | ( 6)19000<br>( 6)20061699 | ( 4)050202<br>( 6)BLANK | 554<br>7 | 22323344444<br>VDPMT | L56<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

## 1341 COMMUNICATIONS OPERATIONS MANAGERS

These people manage operations in telephone, telegraph, radio, TV, or other companies involved with communications. They plan, organize, and direct departmental activities. They establish work procedures, select staff, and coordinate activities between departments. They review operations, enforce regulations, prepare reports and budgets and advise management on problems and trends. They also handle technical matters and union and service contracts. They may use schedule boards, flow charts, and other devices.

### CODING TABLES

Total count = 16

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 14 | 2 | | | |
| % | 88 | 13 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 6 | 16 | 1 |
| % | | | 38 | 100 | 6 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 16 | | | 7 | 6 | 15 | | | 1 | 8 |
| % | 100 | | | 44 | 38 | 94 | | | 6 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 4 | 12 | | | = 16 |
| % | | | | 25 | 75 | | | |
| M freq | | 2 | 3 | 8 | 3 | | | = 16 |
| % | | 13 | 19 | 50 | 19 | | | |
| L freq | | | | 8 | 8 | | | = 16 |
| % | | | | 50 | 50 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 15 | |
| % | | | | | | | 6 | 94 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 15 | | 1 | | | | | | |
| % | 94 | | 6 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | | | | | | | | | |
| | 2 | 14 | 12 | 5 | 1 | 2 | 1 | | | | | 1 |
| | 3 | 1 | 3 | 11 | 6 | 8 | 7 | 2 | 2 | 1 | | |
| | 4 | | | | 9 | 6 | 8 | 14 | 14 | 15 | | 3 |
| | 5 | | | | | | | | | | 16 | 12 |
| | | | | | | percent | | | | | | |
| range | 1 | 6 | 6 | | | | | | | | | |
| | 2 | 88 | 75 | 31 | [illegible] | 13 | 6 | | | | | 6 |
| | 3 | 6 | 19 | 69 | 38 | 50 | 44 | 13 | 13 | 6 | | |
| | 4 | | | | 56 | 38 | 50 | 88 | 88 | 94 | | 19 |
| | 5 | | | | | | | | | | 100 | 75 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13410205 | 168167070 | Regulatory administrator | ( 14)19000<br>( 14)20061699 | ( 1)111005<br>( 16)BLANK | 555<br>8 | 22244344455<br>DPM | S5<br>I |
| 13410208 | 184117062 | Manager, station | ( 14)19000<br>( 14)20061699 | ( 4)110502<br>( 16)BLANK | 545<br>8 | 22343444455<br>VDPJ | S5<br>I |
| 13410211 | 184117070 | Operations manager | ( 14)19000<br>( 14)20061699 | ( 4)110502<br>( 16)BLANK | 555<br>8 | 22232244455<br>DP | S45<br>I |
| 13410214 | 184117074 | Revenue-settlements administrator | ( 14)19000<br>( 14)20061699 | ( 1)111201<br>( 16)BLANK | 555<br>8 | 11244344455<br>DP | S5<br>I |
| 13410217 | 184117082 | Superintendent, communications | ( 14)19000<br>( 14)20061699 | ( 2)050201<br>( 16)BLANK | 544<br>8 | 22234444455<br>DPM | S5<br>I |
| 13410220 | 184161010 | Cable supervisor | ( 14)19000<br>( 14)20061699 | ( 1)050505<br>( 16)BLANK | 424<br>8 | 23333444454<br>DPM | L5<br>B |
| 13410223 | 184167018 | Director, operations | ( 14)19000<br>( 14)20061699 | ( 4)110502<br>( 16)BLANK | 545<br>8 | 22343444455<br>VDPJ | S5<br>I |
| 13410226 | 184167062 | Manager, communications station | ( 14)19000<br>( 14)20061699 | ( 3)050204<br>( 16)BLANK | 544<br>8 | 22333344455<br>DJP | S5<br>I |
| 13410229 | 184167086 | Manager, telegraph office | ( 14)19000<br>( 14)20061699 | ( 2)070102<br>( 16)BLANK | 434<br>8 | 23344333354<br>DP | S45<br>I |
| 13410232 | 184167090 | Manager, traffic | ( 14)19000<br>( 14)20061699 | ( 1)111202<br>( 16)BLANK | 535<br>7 | 22344444455<br>VDPJ | S5<br>I |
| 13410235 | 184167098 | Manager, traffic I | ( 14)19000<br>( 14)20061699 | ( 2)070102<br>( 16)BLANK | 434<br>8 | 22333444455<br>VDPM | S45<br>I |
| 13410238 | 184167106 | Manager, traffic II | ( 14)19000<br>( 14)20061699 | ( 1)111103<br>( 16)BLANK | 545<br>8 | 22223344454<br>VDPM | S45<br>I |

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13410241 184167134  Stations-relations-contact              (  1)29000     (  4)110502  545  22344344455  S5
                    representative                          (  1)10243899  ( 16)BLANK   B    VDPMJ        I

13410244 184167230  Supervisor of communications            ( 14)19000     (  3)050204  444  22343344455  S45
                                                            ( 14)20061699  ( 16)BLANK   B    DPJV         I

13410247 184167258  Testing-and-regulating chief            ( 14)19000     (  2)050201  544  33343444455  S5
                                                            ( 14)20061699  ( 16)BLANK   B    DP           I

13410250 962162010  Director, technical                     (  1)25483     (  3)050204  524  22332433452  L456
                                                            (  1)10243802  ( 16)BLANK   B    VDJT         I
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## CLASSIFICATION AND CODING DISTRIBUTIONS

45 Associated DOT Titles

## 1342 TRANSPORTATION FACILITIES AND OPERATIONS MANAGERS

These people manage operations in companies that provide transportation, delivery, storage, and related services. They plan, organize, and direct the departmental activities. They establish work procedures, select staff, and coordinate activities between departments. They review operations, enforce regulations, prepare reports and budgets, and advise management on problems and trends. They also handle technical matters and service and union contracts. They may use schedule boards, flow charts, and similar devices.

### CODING TABLES

Total count = 45

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 36 | 9 | | | |
| % | 80 | 20 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 15 | 45 | 5 |
| % | | | 33 | 100 | 11 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 44 | | 6 | 22 | 13 | 39 | | | 2 | 27 |
| % | 98 | | 13 | 49 | 29 | 87 | | | 4 | 60 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 14 | 30 | 1 | | = 45 |
| % | | | | 31 | 67 | 2 | | |
| M freq | | | 11 | 22 | 12 | | | = 45 |
| % | | | 24 | 49 | 27 | | | |
| L freq | | | 6 | 26 | 13 | | | = 45 |
| % | | | 13 | 58 | 29 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 4 | 5 | 35 | 1 |
| % | | | | | | 9 | 11 | 78 | 2 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 42 | | 3 | | | | | 1 | |
| % | 93 | | 7 | | | | | 2 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 2 | 1 | 1 | | | | | | | | |
| | 2 | 38 | 37 | 25 | 5 | 3 | 7 | | | | | |
| | 3 | 5 | 7 | 19 | 18 | 17 | 30 | 3 | 1 | 3 | 3 | 2 |
| | 4 | | | | 22 | 25 | 8 | 41 | 43 | 41 | 2 | 6 |
| | 5 | | | | | | | 1 | 1 | 1 | 40 | 37 |
| percent | | | | | | | | | | | | |
| range | 1 | 4 | 2 | 2 | | | | | | | | |
| | 2 | 84 | 82 | 56 | 11 | 7 | 16 | | | | | |
| | 3 | 11 | 16 | 42 | 40 | 38 | 67 | 7 | 2 | 7 | 7 | 4 |
| | 4 | | | | 49 | 56 | 18 | 91 | 96 | 91 | 4 | 13 |
| | 5 | | | | | | | 2 | 2 | 2 | 89 | 82 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13420205 | 184117018 | District supervisor | ( 44)19000<br>( 44)20061699 | ( 1)111202<br>( 17)04190000 | 555<br>6 | 33333334335<br>DMP | L56<br>I |
| 13420208 | 184117022 | Import-export agent | ( 44)19000<br>( 44)20061699 | ( 12)110502<br>( 1)04140000 | 545<br>7 | 22344355455<br>DIJPV | S5<br>I |
| 13420211 | 184117026 | Manager, airport | ( 44)19000<br>( 44)20061699 | ( 1)110501<br>( 17)04190000 | 555<br>8 | 22233344454<br>VDPJ | L5<br>I |
| 13420214 | 184117034 | Manager, automotive services | ( 44)19000<br>( 44)20061699 | ( 15)111103<br>( 27)BLANK | 544<br>8 | 22233344455<br>DPM | S5<br>I |
| 13420217 | 184117038 | Manager, flight operations | ( 44)19000<br>( 44)20061699 | ( 12)110502<br>( 27)BLANK | 555<br>8 | 22222334453<br>DJP | S45<br>I |
| 13420220 | 184117042 | Manager, harbor department | ( 44)19000<br>( 44)20061699 | ( 2)110503<br>( 27)BLANK | 644<br>9 | 22233344455<br>DIJM | S45<br>I |
| 13420223 | 184117050 | Manager, operations | ( 44)19000<br>( 44)20061699 | ( 12)110502<br>( 17)04190000 | 555<br>8 | 22234344455<br>DPM | S5<br>I |
| 13420226 | 184117054 | Manager, regional | ( 44)19000<br>( 44)20061699 | ( 12)110502<br>( 17)04190000 | 555<br>8 | 22244344455<br>VDP | S5<br>I |
| 13420229 | 184117058 | Manager, schedule planning | ( 44)19000<br>( 44)20061699 | ( 12)110502<br>( 17)04190000 | 545<br>8 | 11343244455<br>DP | S45<br>I |
| 13420232 | 184117066 | Manager, traffic | ( 44)19000<br>( 44)20061699 | ( 15)111103<br>( 27)BLANK | 555<br>8 | 22244344455<br>VDPIJ | S5<br>I |
| 13420235 | 184167010 | Boat dispatcher | ( 44)19000<br>( 44)20061699 | ( 1)070501<br>( 27)BLANK | 433<br>7 | 22334344555<br>VDP | S5<br>I |
| 13420238 | 184167038 | Dispatcher, chief I | ( 44)19000<br>( 44)20061699 | ( 4)050201<br>( 17)04190000 | 544<br>8 | 22244344455<br>VDPJ | S45<br>I |

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13420241 184167042 General agent, operations              ( 44)19000     ( 12)110502   434  22244244455  S5
                                                           ( 44)20061699  ( 17)04190000 8    VDP          I

13420244 184167054 Manager, bus transportation            ( 44)19000     ( 15)111103   444  23344344454  S5
                                                           ( 44)20061699  ( 17)04190000 8    VDP          I

13420247 184167058 Manager, cargo-and-ramp-services       ( 44)19000     ( 15)111103   544  22223344455  S45
                                                           ( 44)20061699  ( 27)BLANK    8    BJP          I

13420250 184167066 Manager, flight control                ( 44)19000     (  1)050204   544  22234344455  S5
                                                           ( 44)20061699  ( 27)BLANK    8    BPM          I

13420253 184167070 Manager, flight-reservations           ( 44)19000     ( 15)111103   544  22244344455  S45
                                                           ( 44)20061699  ( 27)BLANK    8    BJP          I

13420256 184167082 Manager, station                       ( 44)19000     ( 15)111103   544  22344344455  S5
                                                           ( 44)20061699  ( 17)04190000 8    DP           I

13420259 184167094 Manager, traffic                       ( 44)19000     ( 12)110502   544  22343344455  S5
                                                           ( 44)20061699  ( 27)BLANK    8    BPM          I

13420262 184167102 Manager, traffic I                     ( 44)19000     (  1)070102   545  22244244455  S5
                                                           ( 44)20061699  ( 17)04190000 8    DP           I

13420265 184167110 Manager, truck terminal                ( 44)19000     ( 15)111103   433  33334344455  S45
                                                           ( 44)20061699  ( 17)04190000 8    BJ           I

13420268 184167114 Manager, warehouse                     ( 44)19000     ( 15)111103   554  22234444455  S5
                                                           ( 44)20061699  ( 17)04190000 8    VDP          I

13420271 184167118 Operations manager                     ( 44)19000     ( 15)111103   433  33333334335  L56
                                                           ( 44)20061699  ( 27)BLANK    6    BJMP         I

13420274 184167122 Port-traffic manager                   ( 44)19000     (  2)110503   555  22344443455  S45
                                                           ( 44)20061699  ( 17)04190000 8    VDPIJ        I

13420277 184167130 Station manager                        ( 44)19000     ( 15)111103   433  22344344455  L5
                                                           ( 44)20061699  ( 17)04190000 7    VDPT         I

13420280 184167146 Superintendent, compressor             ( 44)19000     (  4)050201   544  22222444455  S45
                   stations                                ( 44)20061699  ( 27)BLANK    8    VDPJ         B

13420283 184167158 Superintendent, division               ( 44)19000     ( 12)110502   535  22344244455  L5
                                                           ( 44)20061699  ( 17)04190000 8    VDPJM        I

13420286 184167170 Superintendent, maintenance            ( 44)19000     (  3)050202   443  33333344455  S56
                                                           ( 44)20061699  ( 27)BLANK    7    DM           I

13420289 184167174 Superintendent, maintenance            ( 44)19000     (  3)050202   544  22244344444  S5
                                                           ( 44)20061699  ( 27)BLANK    8    VDPJ         I

13420292 184167178 Superintendent, maintenance            ( 44)19000     ( 15)111103   434  22344344455  S5
                   of equipment                            ( 44)20061699  ( 27)BLANK    8    DPTV         I

13420295 184167182 Superintendent, marine                 ( 44)19000     ( 15)111103   554  22333444455  S45
                                                           ( 44)20061699  ( 27)BLANK    8    VDPJ         B

13420298 184167186 Superintendent, marine oil             ( 44)19000     (  2)050207   434  12143344454  S45
                   terminal                                ( 44)20061699  ( 27)BLANK    8    VDPJ         I

13420301 184167190 Superintendent, measurement            ( 44)19000     (  4)050201   554  22222344455  S5
                                                           ( 44)20061699  ( 27)BLANK    8    DPJ          I

13420304 184167198 Superintendent, pipe-lines             ( 44)19000     (  4)050201   555  22233344455  S45
                                                           ( 44)20061699  ( 17)04190000 8    VDPJ         B

13420307 184167206 Superintendent, stations               ( 44)19000     ( 12)110502   554  22244244455  S5
                                                           ( 44)20061699  ( 27)BLANK    6    BJMPV        I

13420310 184167214 Superintendent, terminal               ( 44)19000     ( 15)111103   544  22223444455  S5
                                                           ( 44)20061699  ( 27)BLANK    8    VD           I

13420313 184167226 Superintendent, transportation         ( 44)19000     ( 12)110502   545  22333344455  L5
                                                           ( 44)20061699  ( 17)04190000 8    VDP          I

13420316 184167242 Supervisor, terminal operations        ( 44)19000     ( 12)110502   544  23244344454  S5
                                                           ( 44)20061699  ( 27)BLANK    8    VDP          I
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13420319 184167254  Terminal superintendent            ( 44)19000     ( 15)111103   434  22244244455  S5
                                                       ( 44)20061699  ( 27)BLANK    8    DPV          I

13420322 184167266  Transportation-maintenance         ( 44)19000     (  3)050202   544  22334444455  S5
                    supervisor                         ( 44)20061699  ( 27)BLANK    8    VDPJ         I

13420325 184167274  Wharfinger, chief                  ( 44)19000     ( 15)111103   444  22233444455  S5
                                                       ( 44)20061699  ( 27)BLANK    8    VBJ          I

13420328 184267010  Freight-traffic consultant         (  1)29000     ( 12)110502   544  22244344455  S5
                                                       (  1)10243899  ( 27)BLANK    8    PIM          I

13420331 189167038  Superintendent, ammunition         ( 44)19000     (  2)050207   444  22233444454  L456
                    storage                            ( 44)20061699  ( 27)BLANK    8    VDJ          I6

13420334 372167022  Manager, armored transport         ( 44)19000     (  1)111104   434  23344244445  L45
                    service                            ( 44)20061699  ( 27)BLANK    6    MDIP         I

13420337 909127010  Safety coordinator                 ( 44)19000     (  1)111005   433  32333344333  L456
                                                       ( 44)20061699  ( 27)BLANK    7    VDPM         I
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## CLASSIFICATION AND CODING DISTRIBUTIONS

17 Associated DOT Titles

### 1343 ELECTRICITY, GAS, WATER SUPPLY, AND SANITARY SERVICES MANAGERS

These people manage service departments in companies that supply electricity, gas, water, steam, or sanitary services. They work through supervisors and other staff to direct the operations of planning, service, or maintenance departments. They determine work procedures, select staff, and coordinate activities within their assigned areas. They review operations, enforce regulations, prepare reports, and budgets, and advise management on problems and trends. They also handle technical matters and service and union contracts.

CODING TABLES

Total count = 17

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 7 | 10 | | | |
| % | 41 | 59 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 3 | 1 | 4 | 17 | 9 |
| % | 18 | 6 | 24 | 100 | 53 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 17 | | 1 | 6 | 12 | 15 | | | 8 | 13 |
| % | 100 | | 6 | 35 | 71 | 88 | | | 47 | 76 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 14 | 1 | | = 17 |
| % | | | | 12 | 82 | 6 | | |
| M freq | | | 2 | 6 | 8 | 1 | | = 17 |
| % | | | 12 | 35 | 47 | 6 | | |
| L freq | | | 1 | 12 | 3 | 1 | | = 17 |
| % | | | 6 | 71 | 18 | 6 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 11 | 4 |
| % | | | | | | | 12 | 65 | 24 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 7 | | 2 | | 2 | 2 | |
| % | 59 | | 41 | | 12 | | 12 | 12 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 6 | 6 | 5 | | | | | | | | |
| | 2 | 9 | 10 | 9 | 11 | 8 | 8 | | | | | |
| | 3 | 2 | 1 | 3 | 5 | 8 | 7 | 2 | 1 | | | 1 |
| | 4 | | | | 1 | 1 | 2 | 14 | 15 | 16 | 5 | 8 |
| | 5 | | | | | | | 1 | 1 | 1 | 12 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | 35 | 35 | 29 | | | | | | | | |
| | 2 | 53 | 59 | 53 | 65 | 47 | 47 | | | | | |
| | 3 | 12 | 6 | 18 | 29 | 47 | 41 | 12 | 6 | | | 6 |
| | 4 | | | | 6 | 6 | 12 | 82 | 88 | 94 | 29 | 47 |
| | 5 | | | | | | | 6 | 6 | 6 | 71 | 47 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13430205 | 184117030 | Manager, area development | ( 17)19000<br>( 17)20061699 | ( 1)110903<br>( 17)BLANK | 534<br>8 | 22244344455<br>DIJPV | S5<br>I |
| 13430208 | 184117046 | Manager, irrigation district | ( 17)19000<br>( 17)20061699 | ( 1)110503<br>( 17)BLANK | 544<br>9 | 11222244455<br>VDP | L5<br>I |
| 13430211 | 184161014 | Superintendent, water-and-sewer systems | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 666<br>9 | 22222333453<br>DMP | S56<br>I |
| 13430214 | 184167078 | Manager, solid-waste-disposal | ( 17)19000<br>( 17)20061699 | ( 1)050206<br>( 17)BLANK | 433<br>7 | 33333344455<br>DJP | L56<br>B |
| 13430217 | 184167126 | Service supervisor III | ( 17)19000<br>( 17)20061699 | ( 1)050202<br>( 17)BLANK | 444<br>8 | 32333344455<br>VDPMT | L56<br>B6 |
| 13430220 | 184167138 | Superintendent of generation | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 554<br>8 | 11122244455<br>VD | S5<br>I |
| 13430223 | 184167150 | Superintendent, distribution I | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 554<br>9 | 11123244444<br>VDPMT | S456<br>I |
| 13430226 | 184167154 | Superintendent, distribution II | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 544<br>8 | 22223244454<br>VDPMT | L45<br>I |
| 13430229 | 184167162 | Superintendent, electric power | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 555<br>8 | 11123244454<br>VDPMT | S5<br>I |
| 13430232 | 184167166 | Superintendent, generating plant | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 544<br>8 | 22222244444<br>VDJMT | L2356<br>I356 |
| 13430235 | 184167202 | Superintendent, power | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 544<br>8 | 22233355555<br>DJMPV | S5<br>B |
| 13430238 | 184167210 | Superintendent, system operation | ( 17)19000<br>( 17)20061699 | ( 12)050201<br>( 17)BLANK | 554<br>8 | 11122244444<br>VDPJM | L45<br>I |

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13430241 184167218  Superintendent, tests                        ( 17)19000      (  1)050103   554  22222344444  S256
                                                                 ( 17)20061699   ( 17)BLANK    9    VBPMT        I35

13430244 184167222  Superintendent, transmission                 ( 17)19000      ( 12)050201   554  11122244444  L56
                                                                 ( 17)20061699   ( 17)BLANK    8    VBPMT        B

13430247 184167238  Supervisor, sewer system                     ( 17)19000      ( 12)050201   555  22222434455  L45
                                                                 ( 17)20061699   ( 17)BLANK    8    BPMT         B

13430250 184167246  Supervisor, waterworks                       ( 17)19000      ( 12)050201   555  22233344454  L56
                                                                 ( 17)20061699   ( 17)BLANK    7    BPM          B

13430253 184167270  Water control supervisor                     ( 17)19000      ( 12)050201   544  22333444455  L256
                                                                 ( 17)20061699   ( 17)BLANK    8    VBPJ         B
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 1344 POSTMASTERS AND MAIL SUPERINTENDENTS

These people are responsible for the day-to-day operation of post offices. They supervise post office staff, set up work schedules, and handle customer complaints. Some are responsible for the operation and management of several post offices. They hire and train post office managers and direct safety, finance, maintenance, and other programs for post offices in their district. They also provide postal information to the public.

CODING TABLES                                    Total count =   2

```
PHY       S   L   M   H   V
freq      2
%       100

PHY       2   3   4   5   6
freq                  2
%                   100
-------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq      2           2   2   2               2
%       100         100 100 100             100
-------------------------------------------------
                  attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   1   1          =  2
   %                     50  50
 M freq               1   1              =  2
   %                 50  50
 L freq                   2              =  2
   %                    100
```

```
SVP       1   2   3   4   5   6   7   8   9
freq                              1   1
%                                50  50
-------------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq      2
%       100
-------------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                    frequency
range 1
      2   2   2
      3           2       2   1
      4               2       1   2   2   2
      5                                       2   2
                    percent
range 1
      2 100 100
      3         100     100  50
      4             100      50 100 100 100
      5                                     100 100
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13440205 | 188167066 | Postmaster | ( 2)10050<br>( 2)20041200 | ( 2)110503<br>( 2)BLANK | 444<br>7 | 22343444455<br>VDPJM | S5<br>I |
| 13440208 | 188167086 | Sectional center manager, postal service | ( 2)10050<br>( 2)20041200 | ( 2)110503<br>( 2)BLANK | 534<br>8 | 22343344455<br>DJMPV | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

14 Associated DOT Titles

### 1351 MANAGERS; FOOD SERVING AND LODGING ESTABLISHMENTS

These people manage businesses that serve foods and/or provide lodging and related services to people. This may include restaurants, hotels, school cafeterias, trailer parks, or similar facilities. They plan, organize, and direct the operation of the business. They determine the types and amounts of goods or services to be sold, and may set price and credit policies. They determine work procedures, plan budgets, and order stock and supplies. They hire and supervise staff, enforce rules, handle customer and worker complaints, and keep business records.

CODING TABLES

Total count = 14

```
PHY      S  L   M   H   V
freq     1  13
%        7  93

PHY      2  3   4   5   6
freq            7  14   7
%              50 100  50
```

```
TEMP     D   F   I   J   M   P   R   S   T   V
freq    14           5   4  13              13
%      100          36  29  93              93
```

```
                attributes
  GED     1   2   3   4   5   6   7   freq
 R freq           1   7   6           = 14
   %              7  50  43
 M freq           3  10   1           = 14
   %             21  71   7
 L freq           3  10   1           = 14
   %             21  71   7
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         5   7   2
%                           36  50  14
```

```
ENV      I   O   B   2   3   4   5   6   7
freq    11       3       1
%       79      21       7
```

```
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1
      2    9   9   2           1
      3    5   5  12   5   9  13               1       1
      4                9   5      14  14  13   3   5
      5                                       11   8
                          percent
range 1
      2   64  64  14           7
      3   36  36  86  36  64  93               7       7
      4               64  36     100 100  93  21  36
      5                                       79  57
```

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13510205 | 185137010 | Manager, fast food services | ( 4)10049<br>( 4)20061400 | ( 5)111104<br>( 1)04060000 | 444<br>7 | 33343344455<br>VDPJ | L456<br>I |
| 13510208 | 187117038 | Manager, hotel or motel | ( 8)19000<br>( 8)20061699 | ( 6)111101<br>( 5)04110000 | 555<br>8 | 22233344455<br>VDPJ | S5<br>I |
| 13510211 | 187161010 | Executive chef | ( 2)44014<br>( 2)70200001 | ( 1)110502<br>( 1)17290200 | 543<br>8 | 22343244353<br>VDP.M | L456<br>I3 |
| 13510214 | 187167026 | Director, food services | ( 4)10049<br>( 4)20061400 | ( 5)111104<br>( 1)09020300 | 544<br>7 | 22244344454<br>DPM | L56<br>I |
| 13510217 | 187167046 | Executive housekeeper | ( 8)19000<br>( 8)20061699 | ( 6)111101<br>( 1)09020500 | 544<br>6 | 22333344454<br>VDPM | L56<br>I |
| 13510220 | 187167050 | Manager, agricultural-labor camp | ( 8)19000<br>( 8)20061699 | ( 5)111104<br>( 1)01020000 | 544<br>7 | 22333344445<br>DPV | L5<br>B |
| 13510223 | 187167066 | Manager, camp | ( 8)19000<br>( 8)20061699 | ( 1)051004<br>( 2)BLANK | 433<br>6 | 33333344445<br>VDJ | L456<br>B |
| 13510226 | 187167078 | Manager, convention | ( 8)19000<br>( 8)20061699 | ( 6)111101<br>( 5)04110000 | 544<br>7 | 22333344454<br>VDP | L5<br>I |
| 13510229 | 187167106 | Manager, food service | ( 4)10049<br>( 4)20061400 | ( 5)111104<br>( 2)04070000 | 444<br>7 | 22344344454<br>DPVM | L456<br>I |
| 13510232 | 187167110 | Manager, front office | ( 8)19000<br>( 8)20061699 | ( 6)111101<br>( 5)04110000 | 444<br>6 | 22344344455<br>VDP | L5<br>I |
| 13510235 | 187167122 | Manager, hotel recreational facilities | ( 8)19000<br>( 8)20061699 | ( 1)111102<br>( 2)BLANK | 444<br>7 | 22343344455<br>DPV | L456<br>I |
| 13510238 | 187167126 | Manager, liquor establishment | ( 4)10049<br>( 4)20061400 | ( 5)111104<br>( 2)04070000 | 444<br>6 | 33343344455<br>VDPJ | L5<br>I |

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13510241 320137010  Manager, boarding house             (  2)44014     (  6)111101    333  33344344454  L45
                                                        (  2)70200001  (  5)04110000 6    VDP          I

13510244 320137014  Manager, lodging facilities         (  8)19000     (  6)111101    434  33344344445  L45
                                                        (  8)20061699  (  5)04110000 7    VDP          3
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

17 Associated DOT Titles

## 1352 MANAGERS; ENTERTAINMENT AND RECREATION FACILITIES

These people manage facilities that offer social, recreational, or cultural programs or activities. For example, they may run a circus, dance hall, sports arena, gambling house, or sports club. They plan, organize, and direct the operation of the business. They set price and credit policies, determine work procedures, plan budgets, and order needed supplies. They hire, fire, and assign duties to staff and enforce safety and other rules. They handle money affairs, and keep business records. They also handle complaints.

```
                                        CODING TABLES                        Total count =  17
------------------------------------------         -----------------------------------------------
PHY      S   L   M   H   V                          SVP    1   2   3   4   5   6   7   8   9
free     5  12                                      free                   1   7   7   2
%       29  71                                      %                      6  41  41  12
                                                    -----------------------------------------------
                                                    ENV    I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                          free  12       5
free             7  17   6                          %     71      29
%               41 100  35                          -----------------------------------------------
------------------------------------------          APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                               frequency
free    17       1   9      16           3  13      range 1  1   1
%      100       6  53      94          18  76            2 11  12   3       1   2
------------------------------------------                3  5   4  13   5   2  12   1   2   1   1
               attributes                                 4              1  12  14   3  16  15  16   4
   GED     1   2   3   4   5   6   7   freq                5                                      12  17
 R freq                13   4          = 17                                  percent
   %                   76  24                       range 1  6   6
 M freq             5  12              = 17               2 65  71  18       6  12
   %               29  71                                 3 29  24  76  29  12  71   6  12   6   6
 L freq             1  13   3          = 17               4              6  71  82  18  94  88  94  24
   %                6  76  18                             5                                      71 100
------------------------------------------          -----------------------------------------------
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13520205 | 187117034 | General manager, road production | ( 16)19000<br>( 16)20061699 | (  1)111104<br>( 15)BLANK | 435<br>8 | 22332344455<br>VDPJ | L56<br>I |
| 13520208 | 187117042 | Manager, recreation establishment | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 544<br>7 | 22344344455<br>VDP | L5<br>I |
| 13520211 | 187137010 | Recreation supervisor | ( 16)19000<br>( 16)20061699 | (  1)110704<br>( 15)BLANK | 534<br>8 | 11333444445<br>DPV | L456<br>I |
| 13520214 | 187167014 | Bookmaker | ( 16)19000<br>( 16)20061699 | (  1)110603<br>( 15)BLANK | 433<br>6 | 33344343355<br>VDPJ | L45<br>I |
| 13520217 | 187167054 | Manager, aquatic facility | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 444<br>7 | 22344344455<br>VDP | S456<br>I |
| 13520220 | 187167070 | Manager, casino | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 444<br>7 | 33344344455<br>VDP | L456<br>I |
| 13520223 | 187167086 | Manager, dance studio | ( 16)19000<br>( 16)20061699 | (  1)010501<br>( 15)BLANK | 434<br>6 | 33434334435<br>DIJT | L5<br>I |
| 13520226 | 187167094 | Manager, dude ranch | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 444<br>7 | 33344344455<br>VDP | L456<br>B |
| 13520229 | 187167102 | Manager, fish-and-game club | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 444<br>6 | 22344344445<br>VDPJ | L5<br>B |
| 13520232 | 187167114 | Manager, golf club | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>(  2)04180000 | 444<br>6 | 22244244455<br>VDPJ | S5<br>I |
| 13520235 | 187167118 | Manager, gun club | ( 16)19000<br>( 16)20061699 | ( 11)111102<br>( 15)BLANK | 434<br>6 | 22333343455<br>VDPJT | L45<br>B |
| 13520238 | [illegible] | Manager, [illegible] | [illegible]<br>( 16)20061699 | [illegible]<br>( 15)BLANK | 444<br>5 | 22244244455<br>VDPT | [illegible]<br>I |

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13520241 187167146  Manager, skating rink            ( 16)19000     ( 11)111102    444  32334344445  L5
                                                     ( 16)20061699  ( 15)BLANK     6    VDPJ         I

13520244 187167154  Manager, theater                 ( 16)19000     ( 11)111102    444  22344344455  L5
                                                     ( 16)20061699  (  2)04180000  7    DPJ          I

13520247 187167166  Manager, winter sports           ( 16)19000     ( 11)111102    444  22344344445  L5
                                                     ( 16)20061699  ( 15)BLANK     6    VDPJ         B

13520250 195167018  Director, camp                   (  1)25416     ( 11)111102    545  22244444455  S5
                                                     (  1)10243206  ( 15)BLANK     7    DP           B

13520253 195167022  Director, field                  ( 16)19000     (  1)110701    545  22344444455  S5
                                                     ( 16)20061699  ( 15)BLANK     7    DP           I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

15 Associated DOT Titles

## 1353 MANAGERS: PROPERTY AND LEASING

These people manage estates, buy and sell real estate, and lease property for clients and employers. They show property to clients, arrange loans for clients and sign lease payments and sales contracts. Some manage apartment complexes or housing projects. Some arrange permits with land owners to allow surveys or prospecting on their land. Some buy or lease land for construction projects. Some arrange leasing of facilities for public events.

### CODING TABLES

Total count = 15

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 11 | | | |
| % | 27 | 73 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 15 | 1 |
| % | | | 13 | 100 | 7 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | | 6 | 9 | 6 | 14 | | | 1 | 7 |
| % | 73 | | 40 | 60 | 40 | 93 | | | 7 | 47 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 3 | 11 | | | = 15 |
| % | | | 7 | 20 | 73 | | | |
| M freq | | | 2 | 10 | 3 | | | = 15 |
| % | | | 13 | 67 | 20 | | | |
| L freq | | | 2 | 6 | 7 | | | = 15 |
| % | | | 13 | 40 | 47 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 2 | 7 | 6 | |
| % | | | | | | 13 | 47 | 40 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 5 | | | | | | |
| % | 67 | | 33 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 2 | 2 | 1 | | | | | | | | |
| | 2 | 12 | 10 | 5 | 1 | | 2 | | | | | |
| | 3 | 1 | 3 | 9 | 6 | 7 | 13 | | | | | 1 |
| | 4 | | | | 8 | 8 | | 15 | 15 | 15 | 2 | 2 |
| | 5 | | | | | | | | | | 13 | 12 |
| percent | | | | | | | | | | | | |
| range | 1 | 13 | 13 | 7 | | | | | | | | |
| | 2 | 80 | 67 | 33 | 7 | | 13 | | | | | |
| | 3 | 7 | 20 | 60 | 40 | 47 | 87 | | | | | 7 |
| | 4 | | | | 53 | 53 | | 100 | 100 | 100 | 13 | 13 |
| | 5 | | | | | | | | | | 87 | 80 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13530205 | 186117042 | Manager, land development | ( 11)19000<br>( 11)20061699 | ( 1)110501<br>( 11)04170000 | 555<br>8 | 21143244455<br>DIJMP | S5<br>I |
| 13530208 | 186117046 | Manager, leasing | ( 11)19000<br>( 11)20061699 | ( 7)111202<br>( 3)04160000 | 555<br>8 | 12244344455<br>DPJ | S5<br>I |
| 13530211 | 186117058 | Real-estate agent | ( 1)71008<br>( 1)30001403 | ( 7)111202<br>( 11)04170000 | 555<br>8 | 22233344455<br>DPIJM | L5<br>B |
| 13530214 | 186117062 | Rental manager, public events facilities | ( 11)19000<br>( 11)20061699 | ( 7)111202<br>( 11)04170000 | 544<br>8 | 22344344455<br>VDP | L5<br>I |
| 13530217 | 186167018 | Manager, apartment house | ( 11)19000<br>( 11)20061699 | ( 1)111101<br>( 11)04170000 | 333<br>6 | 33344344443<br>VJM | L56<br>I |
| 13530220 | 186167030 | Manager, housing project | ( 11)19000<br>( 11)20061699 | ( 1)110503<br>( 11)04170000 | 544<br>7 | 22344344455<br>DPI | S5<br>I |
| 13530223 | 186167038 | Manager, land leases-and-rentals | ( 11)19000<br>( 11)20061699 | ( 1)110502<br>( 11)04170000 | 444<br>7 | 23344344455<br>DPJ | L5<br>I |
| 13530226 | 186167042 | Manager, market | ( 11)19000<br>( 11)20061699 | ( 1)111105<br>( 11)04170000 | 433<br>7 | 22334344455<br>DPJ | S5<br>I |
| 13530229 | 186167046 | Manager, property | ( 11)19000<br>( 11)20061699 | ( 1)111104<br>( 11)04170000 | 544<br>8 | 22344344455<br>DP | L5<br>B |
| 13530232 | 187167190 | Superintendent, building | ( 11)19000<br>( 11)20061699 | ( 1)050202<br>( 11)04170000 | 444<br>7 | 23223344454<br>VDPM | L5<br>I |
| 13530235 | 189157010 | Business-opportunity-and-property-investment broker | ( 1)71002<br>( 1)30001401 | ( 1)080103<br>( 11)04170000 | 544<br>7 | 22334344455<br>DPIJ | L5<br>B |
| 13530238 | 191117030 | Lease buyer | ( 1)25447<br>( 1)10240802 | ( 7)111202<br>( 3)04160000 | 545<br>7 | 22343344455<br>VPMT | L5<br>I |

```
13530241 191117042  Permit agent, geophysical                        ( 11)19000     (  7)111202   545  22233344455  L5
                    prospecting                                      ( 11)20061699  (  3)04160000 6    VPJM         B

13530244 191117046  Right-of-way agent                               (  1)25477     (  7)111202   545  22333344455  L45
                                                                     (  1)10240805  ( 11)04170000 7    VPI          B

13530247 191117050  Right-of-way supervisor                          ( 11)19000     (  7)111202   545  11233244444  L45
                                                                     ( 11)20061699  (  1)BLANK    8    VDPIJ        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

## 1354 MANAGERS, MEMBERSHIP ORGANIZATIONS

These people plan, organize, and direct programs for groups that operate on a membership basis. This may include professional, trade, or business groups. They help members set objectives and policies, organize publicity, and set up committees. They may provide members with marketing information or help them promote community support for civic improvements. Some provide services, such as membership development or job placement. Some direct programs to help businesses develop and use foreign markets.

### CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 6 | |
| % | | | 17 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | 4 | | | 6 | | 1 | | 3 |
| % | 83 | | 67 | | | 100 | | 17 | | 50 |

| | | | attributes | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 5 | 1 | | = 6 |
| % | | | | | 83 | 17 | | |
| M freq | | | 1 | 4 | 1 | | | = 6 |
| % | | | 17 | 67 | 17 | | | |
| L freq | | | | 1 | 4 | 1 | | = 6 |
| % | | | | 17 | 67 | 17 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 4 | |
| % | | | | | | | 33 | 67 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 2 | 1 | | | | | | | | |
| | 2 | 4 | 4 | 2 | | | 1 | | | | | |
| | 3 | | | 3 | 1 | | 1 | | | | | |
| | 4 | | | | 5 | 6 | 4 | 6 | 6 | 6 | 1 | |
| | 5 | | | | | | | | | | 5 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | 33 | 33 | 17 | | | | | | | | |
| | 2 | 67 | 67 | 33 | | | 17 | | | | | |
| | 3 | | | 50 | 17 | | 17 | | | | | |
| | 4 | | | | 83 | 100 | 67 | 100 | 100 | 100 | 17 | |
| | 5 | | | | | | | | | | 83 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13540205 | 75117034 | Executive director, nurses' association | ( 6)19000<br>( 6)20061699 | ( 5)110502<br>( 6)BLANK | 646<br>8 | 11144244455<br>VDP | S45<br>I |
| 13540208 | 187117030 | Executive vice president, chamber of commerce | ( 6)19000<br>( 6)20061699 | ( 5)110502<br>( 6)BLANK | 555<br>8 | 11244444455<br>DPI | S5<br>I |
| 13540211 | 187167018 | Business representative, labor union | ( 6)19000<br>( 6)20061699 | ( 5)110502<br>( 6)BLANK | 534<br>8 | 22334444445<br>PV | S5<br>I |
| 13540214 | 187167042 | Division manager, chamber of commerce | ( 6)19000<br>( 6)20061699 | ( 5)110502<br>( 6)BLANK | 545<br>7 | 22344444455<br>DPI | S5<br>I |
| 13540217 | 187167170 | Manager, world trade and maritime division | ( 6)19000<br>( 6)20061699 | ( 5)110502<br>( 6)BLANK | 545<br>7 | 22344444455<br>DIP | S5<br>I |
| 13540220 | 189117010 | Association executive | ( 6)19000<br>( 6)20061699 | ( 1)110501<br>( 6)BLANK | 545<br>8 | 22244344455<br>VDIPS | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

9 Associated DOT Titles

### 1359 MANAGERS; SERVICE ORGANIZATIONS, N.E.C.

These workers manage businesses, departments, or organizations that provide customer or internal services. This may include laundering, burial security, repair, travel or other services. They plan budgets, order stock and supplies, determine work procedures and staff function. They hire, train and supervise staff. They keep business records, take inventories, and enforce safety and other rules. They also handle complaints and may promote the sale of services.

CODING TABLES

Total count = 9

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 6 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 9 | 4 |
| % | | | 33 | 100 | 44 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | | | 6 | 2 | 9 | | | | 7 |
| % | 100 | | | 67 | 22 | 100 | | | | 78 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 5 | 4 | | | = 9 |
| % | | | | 56 | 44 | | | |
| M freq | | | 1 | 8 | | | | = 9 |
| % | | | 11 | 89 | | | | |
| L freq | | | | 7 | 2 | | | = 9 |
| % | | | | 78 | 22 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 7 | 1 | |
| % | | | | | | 11 | 78 | 11 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 2 | | | | | | |
| % | 78 | | 22 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 8 | 7 | 1 | | | 2 | | | | | |
| | 3 | 1 | 2 | 8 | 6 | 5 | 5 | 2 | 1 | 1 | | |
| | 4 | | | | 3 | 4 | 2 | 7 | 8 | 8 | | 3 |
| | 5 | | | | | | | | | | 9 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 89 | 78 | 11 | | | 22 | | | | | |
| | 3 | 11 | 22 | 89 | 67 | 56 | 56 | 22 | 11 | 11 | | |
| | 4 | | | | 33 | 44 | 22 | 78 | 89 | 89 | | 33 |
| | 5 | | | | | | | | | | 100 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13590205 | 183167030 | Service supervisor, leased machinery and equipment | ( 8)19000<br>( 8)20061699 | ( 1)111105<br>( 6)BLANK | 444<br>7 | 22333344455<br>VDP | L5<br>I |
| 13590208 | 187167022 | Coordinator, volunteer services | ( 8)19000<br>( 8)20061699 | ( 1)110701<br>( 6)BLANK | 535<br>7 | 22344244355<br>DJP | S56<br>I |
| 13590211 | 187167030 | Director, funeral | ( 8)19000<br>( 8)20061699 | ( 4)111104<br>( 3)04150000 | 444<br>7 | 22333344454<br>VDPJM | L456<br>B |
| 13590214 | 187167034 | Director, nurses' registry | ( 8)19000<br>( 8)20061699 | ( 1)070102<br>( 6)BLANK | 545<br>6 | 22334244455<br>DP | S5<br>I |
| 13590217 | 187167074 | Manager, cemetery | ( 8)19000<br>( 8)20061699 | ( 4)111104<br>( 3)04150000 | 444<br>7 | 22333344455<br>VDPJ | L56<br>B |
| 13590220 | 187167090 | Manager, dental laboratory | ( 1)35900<br>( 1)10121099 | ( 1)050511<br>( 6)BLANK | 544<br>7 | 23333333454<br>VDPM | L456<br>I |
| 13590223 | 187167158 | Manager, travel agency | ( 8)19000<br>( 8)20061699 | ( 4)111104<br>( 6)BLANK | 444<br>7 | 33344344454<br>DJPV | L45<br>I |
| 13590226 | 187167194 | Superintendent, laundry | ( 8)19000<br>( 8)20061699 | ( 4)111104<br>( 3)04150000 | 444<br>7 | 22233434455<br>VDPJ | L5<br>I |
| 13590229 | 189167050 | Superintendent, plant protection | ( 8)19000<br>( 8)20061699 | ( 1)110502<br>( 6)BLANK | 544<br>8 | 22344444455<br>VDPJ | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

### 136 MANAGERS; MINING, QUARRYING, WELL DRILLING AND SIMILAR OCCUPATIONS

These workers manage operations at mines, quarries, or oil fields. They plan and organize operations and work through on-site supervisors to direct the day-to-day field work. They study survey data, maps, blueprints, laws, and cost estimates to plan the construction of mines or wells. They direct transportation, housing, and supply services, and arrange for the upkeep and repair of equipment. They also determine work procedures and schedules, enforce safety rules, and solve technical problems.

CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 4 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 1 | 3 | 1 |
| % |  |  | 25 | 75 | 25 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 |  |  | 3 | 2 | 4 |  |  | 1 | 2 |
| % | 100 |  |  | 75 | 50 | 100 |  |  | 25 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 2 | 2 |  |  | = 4 |
| % |  |  |  | 50 | 50 |  |  |  |
| M freq |  |  | 1 | 2 | 1 |  |  | = 4 |
| % |  |  | 25 | 50 | 25 |  |  |  |
| L freq |  |  | 1 | 3 |  |  |  | = 4 |
| % |  |  | 25 | 75 |  |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  |  |  | 1 |  | 3 |  |
| % |  |  |  |  |  | 25 |  | 75 |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 4 |  |  |  | 1 |  |  |
| % |  |  | 100 |  |  |  | 25 |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 | 1 |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 3 | 4 | 3 | 2 | 1 |  |  |  |  |  |  |
|  | 3 |  |  | 1 | 1 | 2 | 4 |  |  | 1 |  |  |
|  | 4 |  |  |  | 1 | 1 |  | 4 | 4 | 3 |  |  |
|  | 5 |  |  |  |  |  |  |  |  |  | 4 | 4 |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 | 25 |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 75 | 100 | 75 | 50 | 25 |  |  |  |  |  |  |
|  | 3 |  |  | 25 | 25 | 50 | 100 |  |  | 25 |  |  |
|  | 4 |  |  |  | 25 | 25 |  | 100 | 100 | 75 |  |  |
|  | 5 |  |  |  |  |  |  |  |  |  | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13600205 | 181117014 | Mine superintendent | ( 4)19000<br>( 4)20061699 | ( 2)050205<br>( 4)BLANK | 544<br>8 | 12223344455<br>VDP | L5<br>B |
| 13600208 | 181167010 | Manager, field party, geophysical prospecting | ( 4)19000<br>( 4)20061699 | ( 1)111104<br>( 4)BLANK | 444<br>6 | 22244344455<br>VDPJ | L4<br>B |
| 13600211 | 181167014 | Superintendent, drilling and production | ( 4)19000<br>( 4)20061699 | ( 1)050201<br>( 4)BLANK | 554<br>8 | 22233344355<br>DJMPT | L5<br>B5 |
| 13600214 | 181167018 | Supervisor, mine | ( 4)19000<br>( 4)20061699 | ( 2)050205<br>( 4)BLANK | 433<br>8 | 22322344455<br>DPJM | L56<br>B |

# CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 137 MANAGERS; ADMINISTRATIVE SERVICES

These workers manage the supportive services of a business, agency, or organization. Some direct activities concerned with the purchase or sale of materials or services. Others direct clerical functions, benefit programs, or repair and maintenance activities. They review reports and records and plan department activities. They assign duties to staff and prepare work schedules and budgets. They review operations, write reports, enforce rules, and help staff solve work problems. They also may deal with outside organizations on matters such as business services or contracts.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 5 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 10 | 2 |
| % | | | | 100 | 20 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | | 2 | 5 | 8 | 10 | | | 1 | 4 |
| % | 90 | | 20 | 50 | 80 | 100 | | | 10 | 40 |

| | | | attributes | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 5 | 5 | | | = 10 |
| % | | | | 50 | 50 | | | |
| M freq | | | 3 | 4 | 3 | | | = 10 |
| % | | | 30 | 40 | 30 | | | |
| L freq | | | | 7 | 3 | | | = 10 |
| % | | | | 70 | 30 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | | 5 | 4 | |
| % | | | | | 10 | | 50 | 40 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 8 | 9 | 3 | | | 4 | | | | | |
| | 3 | 2 | 1 | 7 | 4 | 5 | 6 | | | | | |
| | 4 | | | | 5 | 4 | | 9 | 9 | 9 | | 2 |
| | 5 | | | | 1 | 1 | | 1 | 1 | 1 | 10 | 8 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 80 | 90 | 30 | | | 40 | | | | | |
| | 3 | 20 | 10 | 70 | 40 | 50 | 60 | | | | | |
| | 4 | | | | 50 | 40 | | 90 | 90 | 90 | | 20 |
| | 5 | | | | 10 | 10 | | 10 | 10 | 10 | 100 | 80 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13700205 | 162117014 | Contract administrator | ( 1)29000<br>( 1)102438[illegible] | ( 1)111204<br>( 2)14089900 | 535<br>8 | 22344244455<br>DIMPV | S5<br>I |
| 13700208 | 163167026 | Property-disposal officer | ( 7)19000<br>( 7)20061699 | ( 1)110504<br>( 2)14089900 | 555<br>7 | 22334244454<br>DJMPV | L5<br>I |
| 13700211 | 166267030 | Retirement officer | ( 1)25465<br>( 1)10242802 | ( 1)070101<br>( 6)BLANK | 554<br>7 | 32255355555<br>PMT | L5<br>I |
| 13700214 | 169167034 | Manager, office | ( 7)19000<br>( 7)20061699 | ( 1)070102<br>( 1)14080500 | 434<br>7 | 22344344455<br>DJMPV | S5<br>I |
| 13700217 | 188117086 | Director, merit system | ( 7)19000<br>( 7)20061699 | ( 2)110503<br>( 6)BLANK | 444<br>5 | 22243344455<br>DPJM | L5<br>I |
| 13700220 | 188117122 | Property-utilization officer | ( 7)19000<br>( 7)20061699 | ( 1)111202<br>( 6)BLANK | 544<br>8 | 22333344454<br>IPVDJ | L56<br>I |
| 13700223 | 188167106 | Unclaimed property officer | ( 7)19000<br>( 7)20061699 | ( 1)111201<br>( 6)BLANK | 444<br>7 | 22343344455<br>DJMP | L5<br>I |
| 13700226 | 189167022 | Manager, department | ( 7)19000<br>( 7)20061699 | ( 2)110502<br>( 6)BLANK | 444<br>7 | 33333344455<br>DP | S5<br>I |
| 13700229 | 189167030 | Program manager | ( 7)19000<br>( 7)20061699 | ( 2)110502<br>( 6)BLANK | 555<br>8 | 22233244455<br>DMP | S56<br>I |
| 13700232 | 375167018 | Commanding officer, motor equipment | ( 1)44501<br>( 1)70101004 | ( 2)110503<br>( 1)17280200 | 434<br>8 | 22344244455<br>DMP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

### 139 OFFICIALS AND ADMINISTRATORS, OTHER, N.E.C.

These workers plan, direct, and control the activities of a department or program, within a business or agency. For example, some manage sales or service programs or direct a company's projects. They often work through supervisors to implement policies and procedures and select, train, and supervise staff. They prepare budgets and reports, review operations, and enforce company policies and rules. They also assist with difficult administrative or technical problems, and arrange business services and contracts.

CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 3 | | | |
| % | 63 | 38 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 8 | 3 |
| % | | | 38 | 100 | 38 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | 1 | 1 | 4 | 3 | 7 | | | 1 | 4 |
| % | 75 | 13 | 13 | 50 | 38 | 88 | | | 13 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 5 | | | = 8 |
| % | | | | 38 | 63 | | | |
| M freq | | | 2 | 5 | 1 | | | = 8 |
| % | | | 25 | 63 | 13 | | | |
| L freq | | | | 6 | 2 | | | = 8 |
| % | | | | 75 | 25 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 2 | 2 | 4 | |
| % | | | | | | 25 | 25 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | | | | | | |
| % | 88 | | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 6 | 7 | 3 | | | 1 | | | | | |
| | 3 | 2 | 1 | 5 | 4 | 5 | 6 | | | | | |
| | 4 | | | | 3 | 3 | 1 | 8 | 7 | 7 | | |
| | 5 | | | | 1 | | | | 1 | 1 | 8 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 75 | 88 | 38 | | | 13 | | | | | |
| | 3 | 25 | 13 | 63 | 50 | 63 | 75 | | | | | |
| | 4 | | | | 38 | 38 | 13 | 100 | 88 | 88 | | |
| | 5 | | | | 13 | | | | 13 | 13 | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 13900205 | 163167014 | Manager, circulation | ( 8)19000<br>( 8)20061699 | ( 2)110504<br>( 5)BLANK | 534<br>8 | 22233344455<br>DJPV | S5<br>I |
| 13900208 | 185167042 | Manager, professional equipment sales-and-service | ( 8)19000<br>( 8)20061699 | ( 2)110504<br>( 5)BLANK | 544<br>7 | 22344344455<br>VDPI | S45<br>I |
| 13900211 | 186117018 | Customs-house broker | ( 8)19000<br>( 8)20061699 | ( 1)110404<br>( 1)04140000 | 545<br>8 | 22254345555<br>DPM | S45<br>I |
| 13900214 | 187167082 | Manager, customer services | ( 8)19000<br>( 8)20061699 | ( 1)051002<br>( 5)BLANK | 444<br>8 | 33333344455<br>DJP | L456<br>I |
| 13900217 | 189117030 | Project director | ( 8)19000<br>( 8)20061699 | ( 3)110502<br>( 5)BLANK | 555<br>8 | 22233244455<br>DMP | S56<br>I |
| 13900220 | 189167014 | Director, service | ( 8)19000<br>( 8)20061699 | ( 3)110502<br>( 2)04080000 | 544<br>7 | 22343344455<br>DJP | S5<br>I |
| 13900223 | 189167018 | Management trainee | ( 8)19000<br>( 8)20061699 | ( 3)110502<br>( 2)04080000 | 444<br>6 | 32343444455<br>VPMT | L56<br>I |
| 13900226 | 191167018 | Location manager | ( 8)19000<br>( 8)20061699 | ( 1)111202<br>( 5)BLANK | 434<br>6 | 22334344455<br>VJF | L5<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

## 1412 ACCOUNTANTS AND AUDITORS

**ACCOUNTANTS** and **AUDITORS** study financial records in order to give advice on money matters or prepare financial statements. They may prepare income tax forms or advise clients on certain business or financial decisions. They may examine clients' financial records to see if they are properly kept and reported. They may develop estate plans, accounting systems, or budgets. Some teach courses in a business or professional school, do consulting work, or serve on committees of professional organizations.

### CODING TABLES

Total count = 13

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 12 | 1 | | | |
| % | 92 | 8 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 9 | 6 |
| % | | | 15 | 69 | 46 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | 1 | 3 | 13 | 6 | | | 11 | 5 |
| % | 92 | | 8 | 23 | 100 | 46 | | | 85 | 38 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 13 | | | = 13 |
| % | | | | | 100 | | | |
| M freq | | | | | 13 | | | = 13 |
| % | | | | | 100 | | | |
| L freq | | | | | 13 | | | = 13 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 1 | 11 | |
| % | | | | | | 8 | 8 | 85 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 13 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | 1 | 6 | | | | | | | | |
| | 2 | 13 | 12 | 7 | | 1 | 11 | | | | | |
| | 3 | | | | 2 | 2 | 2 | | | | | |
| | 4 | | | | 11 | 10 | | 13 | 13 | 13 | | |
| | 5 | | | | | | | | | | 13 | 13 |
| percent | | | | | | | | | | | | |
| range | 1 | | 8 | 46 | | | | | | | | |
| | 2 | 100 | 92 | 54 | | 8 | 85 | | | | | |
| | 3 | | | | 15 | 15 | 15 | | | | | |
| | 4 | | | | 85 | 77 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14120205 | 160162010 | Accountant, tax | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22243244455<br>DIMPT | S5<br>I |
| 14120208 | 160162014 | Auditor | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22144244455<br>DMTV | S5<br>I |
| 14120211 | 160167010 | Accountant | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22244244455<br>DJMT | S5<br>I |
| 14120214 | 160167014 | Accountant, budget | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22244244455<br>DMJT | S5<br>I |
| 14120217 | 160167018 | Accountant, cost | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22144244455<br>DJMPT | S5<br>I |
| 14120220 | 160167022 | Accountant, property | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22244244455<br>VDM | S46<br>I |
| 14120223 | 160167026 | Accountant, systems | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22244244455<br>DMPT | S5<br>I |
| 14120226 | 160167030 | Auditor, county or city | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>6 | 22232344455<br>DMPT | S56<br>I |
| 14120229 | 160167034 | Auditor, internal | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22144244455<br>DMTV | S6<br>I |
| 14120232 | 160167038 | Auditor, tax | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>8 | 22144244455<br>DMPTV | L5<br>I |
| 14120235 | 160167042 | Bursar | ( 12)25401<br>( 12)10240201 | ( 11)110601<br>( 11)BLANK | 555<br>7 | 22244244455<br>DMT | S6<br>I |
| 14120238 | 160267010 | Credit analyst, chief | ( 1)25428<br>( 1)10243809 | ( 2)110603<br>( 2)14010100 | 555<br>8 | 21134244455<br>DM | S46<br>I |

```
14120241 160267014  Director, utility accounts                  ( 12)25401      (  2)110603   555  22143344455  556
                                                                ( 12)10240201   (  2)14010100 8    MPTV         I
```

### CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1414 UNDERWRITERS

**UNDERWRITERS** decide what risks the insurance companies they work for will insure. To make these decisions, they study information on insurance applications and loss-control, medical, and actuarial reports. They may outline the terms of contracts or policies, including the amounts of premiums. They often deal with clients, agents, and managers to obtain or give out information about policies. Most specialize in one of three major categories of insurance: Life, Property and Liability, or Health.

### CODING TABLES

Total count = 1

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 1 | 1 |
| % | | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 1 | 1 | | | | 1 | |
| % | 100 | | | 100 | 100 | | | | 100 | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 1 | | | = 1 |
| % | | | | | 100 | | | |
| M freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |
| L freq | | | | | 1 | | | = 1 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 1 | 1 | | | 1 | | | | | |
| | 3 | | | | | | | | | | | |
| | 4 | | | | 1 | 1 | | 1 | 1 | 1 | | |
| | 5 | | | | | | | | | | 1 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 100 | | | 100 | | | | | |
| | 3 | | | | | | | | | | | |
| | 4 | | | | 100 | 100 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title |
|---|---|---|
| 14140205 | 169167058 | Underwriter |

| OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|
| ( 1)25487 | ( 1)110603 | 545 | 22244244455 | S456 |
| ( 1)10243805 | ( 1)04130000 | 7 | DJMT | I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 1415 LOAN OFFICERS

**LOAN OFFICERS** evaluate the credit and collateral of individuals and businesses applying for a loan. (Collateral means stocks, bonds, property, or other securities pledged for the payment of a loan.) They may handle installment, commercial, real estate, or farm loans. To evaluate loan applications, they must understand economics, production, marketing, and commerce law. They also must know business operations and be able to understand financial statements, prepare letters, reports, and loan agreements.

CODING TABLES                                Total count =   2

```
PHY       S   L   M   H   V
freq      2
%       100

PHY       2   3   4   5   6
freq                  1   1
%                    50  50
------------------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq              1   2   2   2
%                50 100 100 100
------------------------------------------------------------
              attributes
  GED     1   2   3   4   5   6   7   freq
 R freq                   2           =  2
   %                    100
 M freq               2               =  2
   %                100
 L freq               1   1           =  2
   %                 50  50
```

```
SVP       1   2   3   4   5   6   7   8   9
freq                              2
%                               100
------------------------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq      2
%       100
------------------------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1
      2   2   2
      3           2           2
      4               2   2       2   2   1
      5                                   1   2   2
                        percent
range 1
      2 100 100
      3         100         100
      4             100 100     100 100  50
      5                                  50 100 100
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14150205 | 186267014 | Loan counselor | ( 1)29000<br>( 1)10243899 | ( 1)070101<br>( 1)14089900 | 545<br>7 | 22344344455<br>IJMP | S5<br>I |
| 14150208 | 186267018 | Loan officer | ( 1)19000<br>( 1)20061699 | ( 1)110603<br>( 1)BLANK | 544<br>7 | 22344344555<br>PJM | S6<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

## 1419 FINANCIAL OFFICERS, OTHER

These workers counsel clients or businesses on the wise use of money. They may run credit analysis, budgeting, or trust management programs. Some plan ways for debtors to pay their bills and accounts. Some manage departments that prepare budgets for a business or agency. Some evaluate credit applications or direct credit investigations. Some direct student financial aid programs. These workers supervise staff work, and deal directly with management, clients, and the public. They study financial statements, write reports, and keep detailed financial records.

### CODING TABLES

Total count = 16

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 15 | 1 | | | |
| % | 94 | 6 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 15 | 1 |
| % | | | 13 | 94 | 6 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 1 | 11 | 9 | 13 | | | 2 | 3 |
| % | 63 | | 6 | 69 | 56 | 81 | | | 13 | 19 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 12 | 1 | | = 16 |
| % | | | | 19 | 75 | 6 | | |
| M freq | | | 2 | 6 | 8 | | | = 16 |
| % | | | 13 | 38 | 50 | | | |
| L freq | | | | 9 | 7 | | | = 16 |
| % | | | | 56 | 44 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | 6 | 8 | |
| % | | | | | 6 | 6 | 38 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 16 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 4 | 4 | 2 | | | | | | | | |
| | 2 | 9 | 10 | 11 | | | 6 | | | | | |
| | 3 | 3 | 2 | 2 | | 2 | 10 | | | | | |
| | 4 | | | 1 | 15 | 13 | | 15 | 15 | 15 | | |
| | 5 | | | | 1 | 1 | | 1 | 1 | 1 | 16 | 16 |
| | | | | | | percent | | | | | | |
| range | 1 | 25 | 25 | 13 | | | | | | | | |
| | 2 | 56 | 63 | 69 | | | 38 | | | | | |
| | 3 | 19 | 13 | 13 | | 13 | 63 | | | | | |
| | 4 | | | 6 | 94 | 81 | | 94 | 94 | 94 | | |
| | 5 | | | | 6 | 6 | | 6 | 6 | 6 | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14190205 | 160207010 | Credit counselor | ( 4)29000<br>( 4)10243899 | ( 2)070101<br>( 8)BLANK | 555<br>7 | 22144255455<br>DIMP | S5<br>I |
| 14190208 | 161117010 | Budget officer | ( 10)19000<br>( 10)20061699 | ( 2)110605<br>( 1)14080200 | 555<br>8 | 22143244455<br>DPJM | S5<br>I |
| 14190211 | 161267014 | Credit officer, dealer accounts | ( 10)19000<br>( 10)20061699 | ( 8)110603<br>( 8)BLANK | 554<br>7 | 22244244455<br>JMT | L5<br>I |
| 14190214 | 168167054 | Manager, credit and collection | ( 10)19000<br>( 10)20061699 | ( 8)110603<br>( 1)14089900 | 555<br>8 | 22244244455<br>DPJM | S5<br>I |
| 14190217 | 169267018 | Financial-aid counselor | ( 4)29000<br>( 4)10243899 | ( 2)070101<br>( 8)BLANK | 444<br>5 | 32343244455<br>JMP | S5<br>I |
| 14190220 | 186117026 | Factorer | ( 4)29000<br>( 4)10243899 | ( 8)110603<br>( 8)BLANK | 554<br>8 | 11244344455<br>DJP | S5<br>I |
| 14190223 | 186117050 | Negotiator, letter of credit | ( 10)19000<br>( 10)20061699 | ( 8)110603<br>( 8)BLANK | 544<br>7 | 22244244455<br>DPM | S5<br>I |
| 14190224 | 186117066 | Risk and insurance manager | ( 10)19000<br>( 10)20061699 | ( 8)110603<br>( 2)04130000 | 544<br>8 | 22244344455<br>DP | S5<br>I |
| 14190226 | 186117074 | Trust officer | ( 10)19000<br>( 10)20061699 | ( 2)110605<br>( 8)BLANK | 555<br>8 | 11244344455<br>DPJ | S5<br>I |
| 14190229 | 186167010 | Estate planner | ( 10)19000<br>( 10)20061699 | ( 1)080102<br>( 2)04130000 | 545<br>7 | 11244344455<br>PJM | S5<br>I |
| 14190232 | 186167014 | Foreign-exchange trader | ( 4)29000<br>( 4)10243899 | ( 8)110603<br>( 3)04040000 | 544<br>8 | 22244344455<br>DJM | S4<br>I |
| 14190235 | 186167050 | Operations officer | ( 10)19000<br>( 10)20061699 | ( 1)110601<br>( 1)14080500 | 554<br>7 | 22244344455<br>DPT | S456<br>I |

```
14190238 186167058  Securities trader II                     ( 10)19000     (  8)110603   655  11244344455  S5
                                                             ( 10)20061699  (  3)04040000 8    VBPJ         T

14190241 186267010  Bonding agent                            ( 10)19000     (  1)070401   434  33455344455  S5
                                                             ( 10)20061699  (  8)BLANK    6    VPJ          I

14190244 191267014  Credit analyst                           (  1)25429     (  8)110603   545  22244344555  S5
                                                             (  1)10243810  (  3)04040000 8    VJ           I

14190247 241267022  Credit analyst                           (  1)61421     (  1)070104   434  33344344455  S5
                                                             (  1)40066841  (  8)BLANK    7    MP           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

9 Associated DOT Titles

### 142 MANAGEMENT ANALYSTS

These workers analyze business operations to find ways to help management operate more efficiently and effectively. They conduct studies, design new work systems and procedures, look for ways to simplify work, and prepare procedures manuals. For example, they might plan a new system for filing and protecting records and reports. They might sketch the layout for new office machines, or develop ways to improve business reports.

```
                              CODING TABLES                        Total count =   9
------------------------------------------------------------
PHY      S   L   M   H   V
freq     9
%      100

PHY      2   3   4   5   6
freq                 9   8
%                  100  89
------------------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     7           2   9   9           1   2
%       78          22 100 100          11  22
------------------------------------------------------------
               attributes
   GED   1   2   3   4   5   6   7  freq
 R freq              3   6            = 9
   %                33  67
 M freq          3   4   2            = 9
   %            33  44  22
 L freq              7   2            = 9
   %                78  22
------------------------------------------------------------
```

```
------------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             5   4
%                               56  44
------------------------------------------------------------
ENV      1   0   B   2   3   4   5   6   7
freq     9
%      100
------------------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1
      2    9   9   1   2   2   9
      3            8   7   7                       8
      4                            1   1   1   1
      5                            8   8   8   8   1
                        percent
range 1
      2  100 100  11  22  22 100
      3           89  78  78                      89
      4                           11  11  11  11
      5                           89  89  89  89  11
------------------------------------------------------------
```

```
------------------------------------------------------------  ------------------------------------------------------------
Unique   DOT                     DOT                          OES Survey    POE          GED  Aptitudes    Phy. Dem
Code     Code                    Title                        over          over         over over         over
                                                              OES Matrix    USOE         SVP  Temperaments Env. Cond

14200205 161117014  Director, records management              (  3)19000    (  2)110101  545  22333255553  S56
                                                              (  3)20061699 (  6)BLANK   8    DPK          I

14200208 161167010  Management analyst                        (  6)29000    (  2)050106  555  22233244445  S56
                                                              (  6)10243899 (  1)04030000 7   JMP          I

14200211 161167014  Manager, forms analysis                   (  6)29000    (  5)110602  544  22333255553  S56
                                                              (  6)10243899 (  6)BLANK   8    DPM          I

14200214 161167018  Manager, records analysis                 (  3)19000    (  5)110602  544  22322255553  S56
                                                              (  3)20061699 (  6)BLANK   8    DPK          I

14200217 161167022  Manager, reports analysis                 (  3)19000    (  5)110602  544  22333255553  S56
                                                              (  3)20061699 (  6)BLANK   8    DPM          I

14200220 161267010  Clerical-methods analyst                  (  6)29000    (  2)050106  554  22333255553  S5
                                                              (  6)10243899 (  1)14080400 7   VPMT         I

14200223 161267018  Forms analyst                             (  6)29000    (  2)110101  434  22333255553  S56
                                                              (  6)10243899 (  1)14990000 7   VDMP         I

14200226 161267022  Records-management analyst                (  6)29000    (  5)110602  434  22322255553  S56
                                                              (  6)10243899 (  6)BLANK   7    DJMP         I

14200229 161267026  Reports analyst                           (  6)29000    (  5)110602  434  22333255553  S56
                                                              (  6)10243899 (  6)BLANK   7    DPM          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

19 Associated DOT Titles

### 143 PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS

These people make sure that workers and work activities are handled according to set procedures. **PERSONNEL SPECIALISTS** recruit, select, and place workers. They also prepare job descriptions and conduct benefit, safety, and other programs. **TRAINING SPECIALISTS** lead training sessions, prepare training manuals, and advise workers. **LABOR RELATIONS SPECIALISTS** help develop, interpret, and enforce union contracts, and help to settle work related disputes.

**CODING TABLES**

Total count = 19

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 13 | 5 |  | 1 |  |
| % | 68 | 26 |  | 5 |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 2 | 19 | 3 |
| % |  |  | 11 | 100 | 16 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | 1 | 6 | 14 | 8 | 19 | 1 | 2 | 1 | 6 |
| % | 58 | 5 | 32 | 74 | 42 | 100 | 5 | 11 | 5 | 32 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  | 2 | 3 | 12 | 2 |  | = 19 |
| % |  |  | 11 | 16 | 63 | 11 |  |  |
| M freq |  | 1 | 7 | 8 | 3 |  |  | = 19 |
| % |  | 5 | 37 | 42 | 16 |  |  |  |
| L freq |  |  | 3 | 4 | 12 |  |  | = 19 |
| % |  |  | 16 | 21 | 63 |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  |  | 5 | 2 | 4 | 8 |  |
| % |  |  |  |  | 26 | 11 | 21 | 42 |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 18 |  | 1 |  |  |  |  |  |  |
| % | 95 |  | 5 |  |  |  |  |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  | frequency |  |  |  |  |  |  |
| range | 1 | 2 | 4 |  |  |  |  |  |  |  |  |  |
|  | 2 | 13 | 11 | 7 |  |  | 7 |  |  |  |  |  |
|  | 3 | 4 | 4 | 10 | 5 | 8 | 10 | 2 | 1 | 3 |  | 2 |
|  | 4 |  |  | 2 | 12 | 10 | 2 | 12 | 13 | 11 | 2 | 3 |
|  | 5 |  |  |  | 2 | 1 |  | 5 | 5 | 5 | 17 | 14 |
|  |  |  |  |  |  | percent |  |  |  |  |  |  |
| range | 1 | 11 | 21 |  |  |  |  |  |  |  |  |  |
|  | 2 | 68 | 58 | 37 |  |  | 37 |  |  |  |  |  |
|  | 3 | 21 | 21 | 53 | 26 | 42 | 53 | 11 | 5 | 16 |  | 11 |
|  | 4 |  |  | 11 | 63 | 53 | 11 | 63 | 68 | 58 | 11 | 16 |
|  | 5 |  |  |  | 11 | 5 |  | 26 | 26 | 26 | 89 | 74 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14300205 | 79127010 | Inservice coordinator, auxiliary personnel | ( 9)25465<br>( 9)10242802 | ( 1)100201<br>( 11)BLANK | 545<br>7 | 23343344354<br>DPI | L5<br>I |
| 14300208 | 99167010 | Certification and selection specialist | ( 4)29000<br>( 4)10243899 | ( 6)110304<br>( 11)BLANK | 655<br>8 | 22244244455<br>DJMP | S5<br>I |
| 14300211 | 166067010 | Occupational analyst | ( 9)25465<br>( 9)10242802 | ( 6)110304<br>( 11)BLANK | 545<br>7 | 11233344444<br>DPJM | L56<br>I |
| 14300214 | 166117014 | Manager, employee welfare | ( 9)25465<br>( 9)10242802 | ( 4)110502<br>( 11)BLANK | 545<br>7 | 22344444455<br>DP | S5<br>I |
| 14300217 | 166167010 | Contestant coordinator | ( 4)29000<br>( 4)10243899 | ( 1)070101<br>( 11)BLANK | 434<br>5 | 33443234453<br>FJPV | L56<br>I |
| 14300220 | 166167014 | Director of placement | ( 9)25465<br>( 9)10242802 | ( 1)100102<br>( 1)14060300 | 655<br>8 | 11244344455<br>VDPIJ | S45<br>I |
| 14300223 | 166167022 | Manager, compensation | ( 9)25465<br>( 9)10242802 | ( 4)110502<br>( 2)14069900 | 555<br>8 | 22255355555<br>DPMJ | S5<br>I |
| 14300226 | 166167034 | Manager, labor relations | ( 9)25465<br>( 9)10242802 | ( 4)110502<br>( 2)14069900 | 545<br>8 | 22234355555<br>DPIJM | S5<br>I |
| 14300229 | 166167038 | Port purser | ( 4)29000<br>( 4)10243899 | ( 1)111103<br>( 11)BLANK | 544<br>8 | 22244244455<br>VDJMP | S5<br>I |
| 14300232 | 166167042 | Senior enlisted advisor | ( 2)00000<br>( 2)BLANK | ( 1)111003<br>( 11)BLANK | 333<br>5 | 32344233355<br>PJV | L45<br>I |
| 14300235 | 166167046 | Special agent | ( 1)25530<br>( 1)10243820 | ( 4)110502<br>( 2)04130000 | 535<br>8 | 22353244455<br>VPITD | S5<br>I |
| 14300238 | 166267010 | Employment interviewer | ( 1)25443<br>( 1)10242803 | ( 6)110304<br>( 3)14060200 | 535<br>5 | 22344344455<br>PJ | S5<br>I |

```
14300241 166267014 Hospital-insurance representative      (  1)25441     (  1)070105   434  22343244455  S5
                                                          (  1)10243803  (  2)04130000 6    MP           I

14300244 166267018 Job analyst                            (  9)25465     (  6)110304   545  22233344444  LS6
                                                          (  9)10242802  (  3)14060200 6    DPJM         I

14300247 166267022 Prisoner-classification interviewer    (  9)25465     (  6)110304   534  22333355555  S5
                                                          (  9)10242802  ( 11)BLANK    7    PJ           I

14300250 166267026 Recruiter                              (  2)00000     (  6)110304   423  33444244355  H5
                                                          (  2)BLANK     ( 11)BLANK    5    PJ           D

14300253 169107010 Arbitrator                             (  4)29000     (  2)110403   545  21344355555  S5
                                                          (  4)10243899  ( 11)BLANK    8    DIJPS        I

14300256 169207010 Conciliator                            (  9)25465     (  2)110403   545  21344455555  S5
                                                          (  9)10242802  ( 11)BLANK    8    IJPSM        I

14300259 169367010 Employment-and-claims aide             (  1)25543     (  1)070401   333  33333344453 `S5
                                                          (  1)10243818  (  3)14060200 5    VRP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 1442 BUYERS, WHOLESALE AND RETAIL TRADE, EXCEPT FARM PRODUCTS

These people buy goods for resale in wholesale and retail stores. They attend fashion and trade shows, visit showrooms, or talk with sales workers to select merchandise that will satisfy their stores' customers. A **BUYER** for a small store may purchase its complete stock of goods. Those who work for larger businesses usually handle one or a few related lines of goods. **BUYERS** must be able to judge the resale value of goods and make a purchase decision quickly. They also arrange for goods to be shipped and approve payments for orders received.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | 1 |
| % | | | 50 | 100 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 1 | 2 | | 2 | | | | 1 |
| % | 50 | | 50 | 100 | | 100 | | | | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | 1 | 1 | | | | = 2 |
| % | | | 50 | 50 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 2 | | | |
| % | | | | | | 100 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 2 | 1 | | | | | | | | |
| | 3 | | | 1 | 1 | 2 | 2 | | | | | 1 |
| | 4 | | | | 1 | | | 2 | 2 | 2 | | 1 |
| | 5 | | | | | | | | | | 2 | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 50 | | | | | | | | |
| | 3 | | | 50 | 50 | 100 | 100 | | | | | 50 |
| | 4 | | | | 50 | | | 100 | 100 | 100 | | 50 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14420205 | 162157018 | Buyer | ( 2)25301<br>( 2)10240804 | ( 2)080103<br>( 1)01040100 | 434<br>6 | 22243344454<br>DIJPV | L456<br>I |
| 14420208 | 162157022 | Buyer, assistant | ( 2)25301<br>( 2)10240804 | ( 2)080103<br>( 1)04080000 | 433<br>6 | 22333344453<br>PJ | L5<br>I |

5 Associated DOT Titles

## 1443 PURCHASING AGENTS AND BUYERS, FARM PRODUCTS

These workers buy farm products such as grain or tobacco for individuals or wholesale companies. They also may sell the products and arrange for their shipment and storage.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 3 | | | |
| % | 40 | 60 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 5 | 1 |
| % | | | 20 | 100 | 20 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 2 | 5 | 3 | 5 | | | | 1 |
| % | 80 | | 40 | 100 | 60 | 100 | | | | 20 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 4 | | | = 5 |
| % | | | | 20 | 80 | | | |
| M freq | | | 3 | 1 | 1 | | | = 5 |
| % | | | 60 | 20 | 20 | | | |
| L freq | | | | 3 | 2 | | | = 5 |
| % | | | | 60 | 40 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 4 | 1 | |
| % | | | | | | | 80 | 20 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 1 | | | | | | 1 |
| % | 80 | | 20 | | | | | | 20 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 4 | 2 | | | | | | | | |
| | 3 | | 1 | 3 | 3 | 3 | 4 | | | | | 1 |
| | 4 | | | | 2 | 2 | 1 | 5 | 5 | 5 | | 3 |
| | 5 | | | | | | | | | | 5 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 80 | 40 | | | | | | | | |
| | 3 | | 20 | 60 | 60 | 60 | 80 | | | | | 20 |
| | 4 | | | | 40 | 40 | 20 | 100 | 100 | 100 | | 60 |
| | 5 | | | | | | | | | | 100 | 20 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14430205 | 162117010 | Christmas-tree contractor | ( 2)25301<br>( 2)10240804 | ( 3)080103<br>( 1)01070300 | 535<br>7 | 22343344454<br>PIJ | L5<br>B |
| 14430208 | 162157010 | Broker-and-market operator, grain | ( 2)25301<br>( 2)10240804 | ( 1)110604<br>( 1)04040000 | 544<br>7 | 22233344454<br>DPIJM | S5<br>I |
| 14430211 | 162167010 | Buyer, grain | ( 1)10048<br>( 1)20061615 | ( 3)080103<br>( 1)01040100 | 534<br>8 | 22233344454<br>DJMPV | L5<br>I7 |
| 14430214 | 162167014 | Buyer, tobacco, head | ( 1)25300<br>( 1)10240801 | ( 3)080103<br>( 2)BLANK | 434<br>7 | 23344444453<br>DPJ | L456<br>I |
| 14430217 | 162167018 | Clean-rice broker | ( 1)79000<br>( 1)30001899 | ( 1)110504<br>( 2)BLANK | 555<br>7 | 22334344455<br>DJMP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

## 1449 PURCHASING AGENTS AND BUYERS, N.E.C.

9 Associated DOT Titles

These people buy supplies and raw materials for internal use or for further processing by manufacturing firms. They review internal requests for materials and supplies, collect information on the sources and prices of goods, and contact vendors or suppliers to arrange purchase contracts. They also may negotiate for purchase of services, such as the delivery of supplies. They advise suppliers concerning the type, quality, and amounts of materials needed in the future. They also may arrange financing or other assistance so that the desired materials can be made available. These workers keep records of items bought, costs, product performance, and inventories. They also may write reports.

CODING TABLES                                        Total count =    9

```
PHY      S   L   M   H   V
freq     7   2
%       78  22

PHY      2   3   4   5   6
freq             1   9   3
%               11 100  33

TEMP     D   F   I   J   M   P   R   S   T   V
freq     5       5   5   6   8           3   5
%       56      56  56  67  89          33  56

                 attributes
  GED     1   2   3   4   5   6   7   freq
 R freq               3   6              =  9
   %                 33  67
 M freq           4   2   3              =  9
   %             44  22  33
 L freq               5   4              =  9
   %                 56  44
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             8   1
%                               89  11

ENV      I   O   B   2   3   4   5   6   7
freq     7       2
%       78      22

APT       G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1       1
      2   9   8   5   1   1   3
      3           4   1   1   5                   1
      4               7   7   1   9   9   9       3
      5                                       9   5
                        percent
range 1      11
      2 100  89  56  11  11  33
      3          44  11  11  56                  11
      4              78  78  11 100 100 100      33
      5                                     100  56
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14490205 | 162117018 | Contract specialist | ( 5)25300<br>( 5)10240801 | ( 1)111204<br>( 2)14089900 | 534<br>8 | 22344244455<br>DIMPV | S5<br>I |
| 14490208 | 162117022 | Field contractor | ( 5)25300<br>( 5)10240801 | ( 1)030101<br>( 1)01010000 | 535<br>7 | 22344344454<br>VPIJ | L5<br>B |
| 14490211 | 162117026 | Field-contact technician | ( 5)25300<br>( 5)10240801 | ( 2)080103<br>( 2)01040100 | 535<br>7 | 22344444454<br>VPIMT | L5<br>B |
| 14490214 | 162157030 | Outside property agent | ( 1)55T46<br>( 1)80002833 | ( 2)080103<br>( 2)BLANK | 444<br>7 | 22244344453<br>PIJ | S56<br>I |
| 14490217 | 162157034 | Procurement engineer | ( 5)25300<br>( 5)10240801 | ( 1)050303<br>( 2)BLANK | 555<br>7 | 22233344455<br>MPTV | S5<br>I |
| 14490220 | 162157038 | Purchasing agent | ( 1)25414<br>( 1)10240803 | ( 1)110504<br>( 2)01040100 | 434<br>7 | 22344344454<br>DIJMP | S5<br>I |
| 14490223 | 162167030 | Purchase-price analyst | ( 5)25300<br>( 5)10240801 | ( 1)110603<br>( 2)14089900 | 554<br>7 | 22244244455<br>DMPT | S56<br>I |
| 14490226 | 163117010 | Manager, contracts | ( 1)19000<br>( 1)20061699 | ( 1)110502<br>( 1)04160000 | 555<br>7 | 21244344455<br>DJPV | S5<br>I |
| 14490229 | 169167054 | Tooling coordinator, production engineering | ( 1)29000<br>( 1)10243899 | ( 1)050203<br>( 1)14059900 | 444<br>7 | 22222244455<br>DJM | S456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

9 Associated DOT Titles

### 145 BUSINESS AND PROMOTION AGENTS

**BUSINESS and PROMOTION AGENTS** handle business affairs for clients such as: performers, societies, theater companies, writers, and jockeys. They advise clients on business matters, represent them in contract talks, and arrange their tours and engagements. They may handle publicity, fan mail, and requests for personal appearances. Some market writers' works to editors and publishers.

CODING TABLES                                        Total count =   9

```
PHY      S   L   M   H   V
freq     6   3
%       67  33

PHY      2   3   4   5   6
freq             1   9   1
%               11 100  11
---------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     6       6   7       8               3
%       67      67  78      89              33
---------------------------------------------------
               attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                5   4             =  9
   %                  56  44
 M freq            3   6                 =  9
   %              33  67
 L freq                6   3             =  9
   %                  67  33
---------------------------------------------------
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                     1   1   7
%                       11  11  78
---------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     8       1
%       89      11
---------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1
      2  5   6               2
      3  4   3   9   2   2   6
      4                  7   7   1   9   9   9       1
      5                                          9   8
                        percent
ran   1
      2 56  67              22
      3 44  33 100  22  22  67
      4             78  78  11 100 100 100      11
      5                                     100 89
---------------------------------------------------
```

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14500205 | 189167026 | Membership director | ( 1)19000<br>( 1)20061699 | ( 1)110902<br>( 6)BLANK | 544<br>7 | 2234444455<br>DIPV | L456<br>I |
| 14500208 | 191117010 | Artist's manager | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 6)BLANK | 545<br>7 | 2234434455<br>DIJP | S5<br>I |
| 14500211 | 191117014 | Booking manager | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 3)04100000 | 444<br>6 | 3334424455<br>PIJ | S5<br>I |
| 14500214 | 191117018 | Business manager | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 3)04100000 | 545<br>7 | 2234424454<br>VDPIJ | S5<br>I |
| 14500217 | 191117022 | Circus agent | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 6)BLANK | 434<br>7 | 2234334455<br>DJ | S5<br>I |
| 14500220 | 191117026 | Jockey agent | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 6)BLANK | 434<br>5 | 3234434455<br>PIJ | L5<br>B |
| 14500223 | 191117034 | Literary agent | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 6)BLANK | 545<br>7 | 2233334455<br>PI | S5<br>I |
| 14500226 | 191117038 | Manager, touring production | ( 8)29000<br>( 8)10243899 | ( 1)111104<br>( 6)BLANK | 434<br>7 | 3334434455<br>VDPJ | S5<br>I |
| 14500229 | 191167010 | Advance agent | ( 8)29000<br>( 8)10243899 | ( 7)111203<br>( 3)04100000 | 444<br>7 | 3333434455<br>DPJ | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

### 1472 CONSTRUCTION INSPECTORS

**CONSTRUCTION INSPECTORS** make sure that the methods and materials used to build and repair structures meet with regulations. They inspect structures and visit work sites to observe and test parts of structures. They use blueprints and test and measuring instruments, keep work logs, file work reports, and if necessary, issue "stop-work" orders. Most workers specialize in a certain type of construction work, such as building, electrical, mechanical, or public works.

CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 10 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 8 | 7 | 3 | 4 | 10 |
| % | 80 | 70 | 30 | 40 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 5 | 9 | 6 | 1 | | 10 | 1 |
| % | 10 | | | 50 | 90 | 60 | 10 | | 100 | 10 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 1 | 1 | 3 | 5 | | | = 10 |
| % | | 10 | 10 | 30 | 50 | | | |
| M freq | 1 | 1 | 2 | 6 | | | | = 10 |
| % | 10 | 10 | 20 | 60 | | | | |
| L freq | | 2 | 2 | 5 | 1 | | | = 10 |
| % | | 20 | 20 | 50 | 10 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | | 2 | 5 | 1 | |
| % | | | 10 | 10 | | 20 | 50 | 10 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | 2 | 5 | | | | 3 | 3 | 1 |
| % | 30 | 20 | 50 | | | | 30 | 30 | 10 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 7 | 6 | 6 | 6 | 1 | 2 | | | | 1 | |
| | 3 | 2 | 2 | 3 | 3 | 6 | 5 | | | 1 | 5 | |
| | 4 | 1 | 2 | 1 | 1 | 3 | 3 | 9 | 8 | 8 | 2 | 6 |
| | 5 | | | | | | | 1 | 2 | 1 | 2 | 4 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 70 | 60 | 60 | 60 | 10 | 20 | | | | 10 | |
| | 3 | 20 | 20 | 30 | 30 | 60 | 50 | | | 10 | 50 | |
| | 4 | 10 | 20 | 10 | 10 | 30 | 30 | 90 | 80 | 80 | 20 | 60 |
| | 5 | | | | | | | 10 | 20 | 10 | 20 | 40 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14720205 | 168167030 | Inspector, building | ( 7)10009<br>( 7)20040400 | ( 6)050306<br>( 4)17289900 | 544<br>7 | 22223344434<br>PJMT | L2356<br>B |
| 14720208 | 168167034 | Inspector, electrical | ( 7)10009<br>( 7)20040400 | ( 6)050306<br>( 4)17289900 | 544<br>7 | 22223244434<br>PJMT | L2356<br>B |
| 14720211 | 168167038 | Inspector, elevators | ( 7)10009<br>( 7)20040400 | ( 6)050306<br>( 6)BLANK | 545<br>8 | 22222344434<br>DPMT | L236<br>I6 |
| 14720214 | 168167046 | Inspector, heating and refrigeration | ( 7)10009<br>( 7)20040400 | ( 1)050702<br>( 6)BLANK | 544<br>7 | 22223355534<br>PMT | L236<br>I |
| 14720217 | 168167050 | Inspector, plumbing | ( 7)10009<br>( 7)20040400 | ( 6)050306<br>( 4)17289900 | 544<br>7 | 22223344434<br>PMT | L2356<br>B |
| 14720220 | 168267010 | Building inspector | ( 1)25536<br>( 1)10243823 | ( 6)050306<br>( 4)17289900 | 434<br>7 | 22334244444<br>JMPT | L26<br>B |
| 14720223 | 182267010 | Construction inspector | ( 7)10009<br>( 7)20040400 | ( 6)050306<br>( 6)BLANK | 443<br>6 | 23223444425<br>VJMT | L23456<br>B56 |
| 14720226 | 850387010 | Inspector of dredging | ( 7)10009<br>( 7)20040400 | ( 1)050701<br>( 6)BLANK | 433<br>6 | 33334345445<br>JMT | L6<br>O5 |
| 14720229 | 850467010 | Grade checker | ( 1)59002<br>( 1)63000000 | ( 1)050301<br>( 6)BLANK | 322<br>4 | 34333444455<br>MT | L2346<br>O567 |
| 14720232 | 899487010 | Tester | ( 1)55057<br>( 1)50142205 | ( 1)060301<br>( 6)BLANK | 212<br>3 | 44444444355<br>RT | L46<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

47 Associated DOT Titles

## 1473 INSPECTORS AND COMPLIANCE OFFICERS, EXCEPT CONSTRUCTION

These workers conduct inspections or investigations to see if laws, regulations, or company policies are being followed. They work in a variety of jobs and settings. Some check to see that proper equipment is being used and that safety rules are being obeyed. Some inspect places such as hospitals and restaurants to enforce public health laws. Some compile information on the activities and conduct of workers. Some inspect articles being carried into the country to enforce customs laws.

### CODING TABLES

Total count = 47

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 8 | 35 | 3 | 1 | |
| % | 17 | 74 | 6 | 2 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 9 | 11 | 21 | 41 | 33 |
| % | 19 | 23 | 45 | 87 | 70 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | 1 | 5 | 32 | 45 | 30 | | 4 | 13 | 10 |
| % | 26 | 2 | 11 | 68 | 96 | 64 | | 9 | 28 | 21 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 4 | 20 | 23 | | | = 47 |
| % | | | 9 | 43 | 49 | | | |
| M freq | | 4 | 23 | 14 | 6 | | | = 47 |
| % | | 9 | 49 | 30 | 13 | | | |
| L freq | | | 8 | 23 | 16 | | | = 47 |
| % | | | 17 | 49 | 34 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 2 | 2 | 17 | 18 | 8 | |
| % | | | | 4 | 4 | 36 | 38 | 17 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 31 | 1 | 15 | | 1 | 2 | 5 | 10 | 3 |
| % | 66 | 2 | 32 | | 2 | 4 | 11 | 21 | 6 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | |
| | 2 | 32 | 31 | 14 | 7 | 8 | 5 | 2 | 1 | 2 | 1 | 1 |
| | 3 | 14 | 14 | 24 | 19 | 24 | 34 | 11 | 9 | 11 | 6 | 12 |
| | 4 | | 1 | 8 | 20 | 14 | 8 | 32 | 33 | 31 | 10 | 20 |
| | 5 | | | | | | | 2 | 4 | 3 | 29 | 14 |
| | | | | | | percent | | | | | | |
| range | 1 | 2 | 2 | 2 | 2 | 2 | | | | | 2 | |
| | 2 | 68 | 66 | 30 | 15 | 17 | 11 | 4 | 2 | 4 | 2 | 2 |
| | 3 | 30 | 30 | 51 | 40 | 51 | 72 | 23 | 19 | 23 | 13 | 26 |
| | 4 | | 2 | 17 | 43 | 30 | 17 | 68 | 70 | 66 | 21 | 43 |
| | 5 | | | | | | | 4 | 9 | 6 | 62 | 30 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 14730205 | 160167046 | Chief bank examiner | ( 20)10001<br>( 20)20040800 | ( 5)111001<br>( 27)BLANK | 555<br>8 | 22144244455<br>VDPJM | S5<br>I |
| 14730208 | 160167050 | Revenue agent | ( 1)25507<br>( 1)10240203 | ( 1)110601<br>( 27)BLANK | 544<br>7 | 22243344455<br>PIJM | L5<br>I |
| 14730211 | 168161010 | Coroner | ( 9)19000<br>( 9)20061699 | ( 1)020201<br>( 27)BLANK | 554<br>7 | 22222332252<br>DPJM | L456<br>I |
| 14730214 | 168167014 | Equal-opportunity representative | ( 9)19000<br>( 9)20061699 | ( 1)111002<br>( 27)BLANK | 535<br>8 | 23344344444<br>DJIMP | S5<br>I |
| 14730217 | 168167018 | Health officer, field | ( 9)19000<br>( 9)20061699 | ( 13)111003<br>( 27)BLANK | 535<br>6 | 22343345454<br>PIJDM | L5<br>I6 |
| 14730220 | 168167022 | Immigration inspector | ( 20)10001<br>( 20)20040800 | ( 3)111004<br>( 27)BLANK | 434<br>5 | 32443344454<br>PMJ | L45<br>B6 |
| 14730223 | 168167026 | Inspector, boiler | ( 8)29000<br>( 8)10243899 | ( 5)050306<br>( 10)17289900 | 545<br>8 | 22322244433<br>MY | L356<br>I36 |
| 14730226 | 168167042 | Inspector, health care facilities | ( 20)10001<br>( 20)20040800 | ( 13)111003<br>( 27)BLANK | 434<br>6 | 22333345554<br>VJM | S56<br>I |
| 14730229 | 168167062 | Occupational-safety-and-health inspector | ( 20)10001<br>( 20)20040800 | ( 13)111003<br>( 10)17289900 | 555<br>6 | 22333344454<br>JMT | L23456<br>B |
| 14730232 | 168167066 | Quality-control coordinator | ( 1)33002<br>( 1)10081899 | ( 1)050203<br>( 27)BLANK | 444<br>6 | 22234344454<br>DPMT | S56<br>I |
| 14730235 | 168167074 | Reviewing officer, driver's license | ( 20)10001<br>( 20)20040800 | ( 13)111003<br>( 27)BLANK | 434<br>7 | 22444344455<br>PJM | S5<br>I |
| 14730238 | 168167078 | Safety inspector | ( 1)25478<br>( 1)10243804 | ( 13)111003<br>( 10)17289900 | 545<br>8 | 22333344454<br>DPIJM | L2356<br>B6 |

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14730241 168167082  Transportation inspector             (  8)29000     (  5)111005   434  33344354455  L456
                                                         (  8)10243899  ( 10)17289900 7    VJM          B

14730244 168264010  Inspector, air-carrier               ( 20)10001     (  5)050306   554  23222333244  L3456
                                                         ( 20)20040800  ( 27)BLANK    7    JM           I56

14730247 168264014  Safety inspector                     (  8)29000     ( 13)111003   434  33333444454  L56
                                                         (  8)10243899  ( 10)17289900 6    PJMT         B

14730250 168267014  Claim examiner                       (  1)25533     (  1)070203   534  22344344455  S46
                                                         (  1)10243822  (  1)14050200 7    VM           I

14730253 168267018  Customs import specialist            ( 20)10001     (  3)111004   535  22342333343  L46
                                                         ( 20)20040800  ( 27)BLANK    8    JMPT         I

14730256 168267022  Customs inspector                    ( 20)10001     (  3)111004   444  22233233333  L23456
                                                         ( 20)20040800  (  1)14990000 6    PJM          I

14730259 168267026  Dealer-compliance representative     (  8)29000     (  5)111005   433  33344344444  L5
                                                         (  8)10243899  (  1)04160000 6    PJM          B

14730262 168267030  Dining-service inspector             (  8)29000     (  5)111005   423  33443344434  L25
                                                         (  8)10243899  ( 10)17289900 7    PJM          I5

14730265 168267034  Driver's license examiner            (  9)19000     (  1)070107   323  33333333344  L456
                                                         (  9)20061699  ( 27)BLANK    4    PJM          I

14730268 168267042  Food and drug inspector              ( 20)10001     ( 13)111003   545  22334444453  L456
                                                         ( 20)20040800  (  1)07070300 6    PMT          I

14730271 168267046  Inspector, furniture and bedding     ( 20)10001     ( 13)111003   434  33343333353  M3456
                                                         ( 20)20040800  ( 10)17289900 6    VM           I

14730274 168267050  Inspector, government property       ( 20)10001     (  5)111001   434  22233344454  L456
                                                         ( 20)20040800  ( 27)BLANK    6    JMT          B

14730277 168267054  Inspector, industrial waste          ( 20)10001     (  5)050306   545  22333344343  M2345
                                                         ( 20)20040800  (  1)01060500 6    VPM          B47

14730280 168267058  Inspector, motor vehicles            ( 20)10001     ( 13)111003   545  22333344454  L25
                                                         ( 20)20040800  ( 10)17289900 7    PJM          I

14730283 168267062  Investigator                         (  1)25503     (  5)111001   544  22333355555  L56
                                                         (  1)10243404  ( 27)BLANK    6    PJM          B

14730286 168267066  License inspector                    ( 20)10001     ( 13)111003   433  33443444455  L56
                                                         ( 20)20040800  ( 10)17289900 7    MT           I

14730289 168267070  Logging-operations inspector         (  8)29000     (  1)030104   534  22334344455  L56
                                                         (  8)10243899  (  1)01070300 7    PJM          I

14730292 168267074  Mine inspector                       (  1)55823     ( 13)111003   434  33433444434  L2356
                                                         (  1)50142201  ( 10)17289900 6    MT           B67

14730295 168267078  Mortician investigator               ( 20)10001     ( 13)111003   434  32443444454  L56
                                                         ( 20)20040800  (  1)07090900 6    PJM          I

14730298 168287010  Inspector, agricultural commodities  ( 20)10001     ( 13)111003   434  23332433353  L346
                                                         ( 20)20040800  (  1)01040000 7    VJM          B

14730301 168287014  Inspector, quality assurance         ( 20)10001     (  5)050306   555  22232344453  L456
                                                         ( 20)20040800  ( 27)BLANK    7    JMT          I

14730304 168287018  Inspector, railroad                  ( 20)10001     (  5)050306   434  33323333333  M2346
                                                         ( 20)20040800  ( 27)BLANK    7    MT           B56

14730307 168367010  Attendance officer                   (  8)29000     (  1)070106   424  22444344445  L45
                                                         (  8)10243899  ( 27)BLANK    7    PJ           B

14730310 168367014  Rater, travel accommodations         (  1)25531     (  5)111005   333  33444444444  L56
                                                         (  1)10243821  ( 27)BLANK    6    DPJM         B

14730313 168387010  Opener-verifier-packer, customs      ( 20)10001     (  1)050903   333  34333334353  M46
                                                         ( 20)20040800  ( 27)BLANK    5    MT           I

14730316 169267014  Examiner                             (  9)19000     (  1)070105   444  22233344555  S5
                                                         (  9)20061699  (  1)04130000 6    JMP          I
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14730319 169284010  Admeasurer                          ( 20)10001     (  1)050302   545  22211334335  L2346
                                                        ( 20)20040800  ( 27)BLANK    7    MT           I47

14730322 184163010  Traffic inspector                   (  8)29000     (  5)111005   423  22344344444  L5
                                                        (  8)10243899  ( 27)BLANK    7    DMPV         0

14730325 187167062  Manager, branch operation           (  9)19000     (  1)110502   434  22233345454  L56
                    evaluation                          (  9)20061699  (  1)04110000 6    DJMP         I

14730328 188167038  Director, securities and real       (  9)19000     (  5)111001   545  22244444455  S5
                    estate                              (  9)20061699  ( 27)BLANK    7    DPJF         I

14730331 188167074  Revenue officer                     (  9)19000     (  5)111001   544  22243344445  L56
                                                        (  9)20061699  ( 27)BLANK    7    DIMPS        I

14730334 188167090  Special agent, customs              (  9)19000     (  1)040102   535  22323324453  L56
                                                        (  9)20061699  ( 27)BLANK    8    JMSV         I6

14730337 191367010  Personal property assessor          (  1)25517     (  1)110603   333  33344344455  L56
                                                        (  1)10243817  ( 27)BLANK    4    PM           I

14730340 196163010  Flight-operations inspector         (  2)34023     (  2)050401   545  21222233324  L456
                                                        (  2)10140200  ( 27)BLANK    8    VPSJM        I56

14730343 196163014  Supervising airplane pilot          (  2)34023     (  2)050401   555  12222223313  L456
                                                        (  2)10140200  ( 27)BLANK    8    DSM          I56
```

13 Associated DOT Titles

## 149 MANAGEMENT-RELATED OCCUPATIONS, N.E.C.

People in these jobs do things to help an office or business operate more efficiently. Some prepare cost estimates used by management to prepare bids or to set the prices of products and services. Some coordinate office services such as personnel, budget control, and records control. Some study jobs to help set wage and promotion policies. Some set up security procedures, or keep official corporation records.

### CODING TABLES

Total count = 13

```
PHY      S   L   M   H   V
freq    12   1
%       92   8


PHY      2   3   4   5   6
freq             3  13   3
%               23 100  23
-------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     9       2   6   8  11           1   6
%       69      15  46  62  85           8  46
-------------------------------------------------
                 attributes
   GED     1   2   3   4   5   6   7    freq
 R freq                7   5   1         = 13
   %                  54  38   8
 M freq            9   3   1             = 13
   %              69  23   8
 L freq            3   4   5   1         = 13
   %              23  31  38   8
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             10   3
%                                77  23
-------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq    13
%      100
-------------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1   1   1
      2  11  10   3           3
      3   1   2  10   2   5   8
      4              11   8   2  13  13  13
      5                                      13  13
                       percent
range 1   8   8
      2  85  77  23          23
      3   8  15  77  15  38  62
      4              85  62  15 100 100 100
      5                                     100 100
```

```
Unique   DOT                DOT                        OES Survey     GOE            GED  Aptitudes    Phy. Dem
Code     Code               Title                      over           over           over over         over
                                                       OES Matrix     USOE           SVP  Temperaments Env. Cond

14900205 160267018 Estimator                           (  1)25427     (  1)050302    434  23233344455  S56
                                                       (  1)10243808  (  1)14010100  7    JMT          I

14900208 169167010 Administrative assistant            (  9)29000     (  2)110502    535  22344344455  S5
                                                       (  9)10243899  (  1)14080100  7    DJMPV        I

14900211 169167014 Administrative secretary            (  9)29000     (  1)070102    545  22344344455  S5
                                                       (  9)10243899  (  1)14070100  8    DJMPV        I

14900214 169167026 Laboratory assistant, liaison       (  9)29000     (  1)020401    555  22233344455  L5
                   inspection                          (  9)10243899  ( 10)BLANK     7    VPM          I

14900217 169167038 Order-department supervisor         (  2)19000     (  1)070503    434  22344344455  S5
                                                       (  2)20061699  ( 10)BLANK     7    DPM          I

14900220 169167050 Special agent, group insurance      (  9)29000     (  1)080102    535  22343244455  S5
                                                       (  9)10243899  ( 10)BLANK     7    DIJMP        I

14900223 184167250 Tariff publishing agent             (  9)29000     (  1)110404    433  32343244455  S56
                                                       (  9)10243899  ( 10)BLANK     8    DM           I

14900226 186117030 General claims agent                (  9)29000     (  2)111201    444  22344344455  S45
                                                       (  9)10243899  ( 10)BLANK     8    DMP          I

14900229 187167198 Veterans contact representative     (  9)29000     (  1)100102    545  22344244455  S5
                                                       (  9)10243899  ( 10)BLANK     7    DPI          I

14900232 189167034 Security officer                    (  9)29000     (  2)110502    434  22344444455  S5
                                                       (  9)10243899  ( 10)BLANK     7    DPJ          I

14900235 191167014 Claim agent                         (  1)25526     (  2)111201    636  11344444455  S5
                                                       (  1)10243812  ( 10)BLANK     7    VPJ          I

14900238 197167014 Purser                              (  2)19000     (  1)111103    433  22243344455  S456
                                                       (  2)20061699  ( 10)BLANK     7    VP           I
```

```
14909241 239167010  Communications coordinator        (  9)29000      (  1)050305   433  23344344455  S45
                                                      (  9)10243899  ( 10)BLANK    7    DPV          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 161 ARCHITECTS

**ARCHITECTS** plan, design, and supervise the construction of homes, office buildings, and other structures. They also plan and design projects such as parks, airports, and highways. They are involved in all phases of the development of a building or project. They discuss with clients the purposes, requirements, and cost of a project. They prepare detailed drawings that show the scale and structure of buildings, the dimensions of every part of the structure, and the location of plumbing, heating, and other units.

CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 2 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | 3 |
| % | | | 33 | 67 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 1 | 1 | 3 | 1 | 2 | | | | |
| % | 33 | 33 | 33 | 100 | 33 | 67 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| M freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| L freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | | 2 | |
| % | | | | | | 33 | | 67 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | 1 | | | | | | |
| % | 67 | | 33 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 1 | 1 | 2 | 1 | | | | | | |
| | 2 | 1 | 2 | 2 | 1 | 2 | 1 | | | | | |
| | 3 | | | | | | 2 | 1 | 2 | 2 | | 2 |
| | 4 | | | | | | | 2 | 1 | 1 | 1 | 1 |
| | 5 | | | | | | | | | | 2 | |
| | | | | | | percent | | | | | | |
| range | 1 | 67 | 33 | 33 | 67 | 33 | | | | | | |
| | 2 | 33 | 67 | 67 | 33 | 67 | 33 | | | | | |
| | 3 | | | | | | 67 | 33 | 67 | 67 | | 67 |
| | 4 | | | | | | | 67 | 33 | 33 | 33 | 33 |
| | 5 | | | | | | | | | | 67 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16100205 | 1061010 | Architect | ( 2)25405<br>( 3)10240400 | ( 2)050107<br>( 3)BLANK | 666<br>8 | 12111343353<br>IJP | L456<br>I |
| 16100208 | 1061018 | Landscape architect | ( 1)25403<br>( 3)10240400 | ( 2)050107<br>( 3)BLANK | 555<br>8 | 11212233343<br>DJ[illegible] | L6<br>B |
| 16100211 | 1167010 | School-plant consultant | ( 2)25405<br>( 3)10240400 | ( 1)050108<br>( 3)BLANK | 555<br>6 | 22222344454<br>PJM | S56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 1622 AEROSPACE ENGINEERS

**AEROSPACE ENGINEERS** design, develop, test, and help produce aircraft, missiles, and spacecraft. They work to advance the state of technology in aviation, defense systems, and space travel. Most specialize in a particular area of work, such as structural design, guidance and control, or production methods. They also may specialize in one type of aerospace product, such as commercial aircraft, helicopters, or rockets.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 4 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 6 | 7 | 5 |
| % | | | 75 | 88 | 63 |

| TEMP | D | F | [illegible] | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | 5 | 8 | 1 | | | 7 | 7 |
| % | 63 | | | 63 | 100 | 13 | | | 88 | 88 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 4 | 4 | | = 8 |
| % | | | | | 50 | 50 | | |
| M freq | | | | | 5 | 3 | | = 8 |
| % | | | | | 63 | 38 | | |
| L freq | | | | | 4 | 4 | | = 8 |
| % | | | | | 50 | 50 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 7 | |
| % | | | | | | | 13 | 88 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | | | | | | |
| % | 88 | | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 5 | 5 | 5 | 5 | | | | | | | |
| | 2 | 3 | 3 | 3 | 3 | 4 | 1 | 1 | 1 | | | |
| | 3 | | | | | 4 | 7 | 6 | 6 | 7 | | 1 |
| | 4 | | | | | | | 1 | 1 | 1 | 4 | 5 |
| | 5 | | | | | | | | | | 4 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 63 | 63 | 63 | 63 | | | | | | | |
| | 2 | 38 | 38 | 38 | 38 | 50 | 13 | 13 | 13 | | | |
| | 3 | | | | | 50 | 88 | 75 | 75 | 88 | | 13 |
| | 4 | | | | | | | 13 | 13 | 13 | 50 | 63 |
| | 5 | | | | | | | | | | 50 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16220205 | 2061010 | Aerodynamist | ( 8)21001<br>( 8)10020200 | ( 2)050101<br>( 8)BLANK | 666<br>8 | 11112333355<br>VDJMT | S456<br>I |
| 16220208 | 2061014 | Aeronautical engineer | ( 8)21001<br>( 8)10020200 | ( 2)050107<br>( 8)BLANK | 666<br>8 | 11113333355<br>VDJMT | L46<br>B |
| 16220211 | 2061018 | Aeronautical test engineer | ( 8)21001<br>( 8)10020200 | ( 3)050104<br>( 8)BLANK | 555<br>8 | 22223333344<br>VDMT | L456<br>I |
| 16220214 | 2061022 | Aeronautical-design engineer | ( 8)21001<br>( 8)10020200 | ( 2)050107<br>( 8)BLANK | 555<br>8 | 22222233344<br>VJMT | S456<br>I |
| 16220217 | 2061026 | Aeronautical-research engineer | ( 8)21001<br>( 8)10020200 | ( 2)050101<br>( 8)BLANK | 666<br>8 | 11113333343<br>VDJMT | L5<br>I |
| 16220220 | 2061030 | Stress analyst | ( 8)21001<br>( 8)10020200 | ( 3)050104<br>( 8)BLANK | 555<br>8 | 11122322354<br>VJMT | S56<br>I |
| 16220223 | 2167010 | Cost-analysis engineer | ( 8)21001<br>( 8)10020200 | ( 1)050106<br>( 8)BLANK | 656<br>7 | 22212344444<br>DMP | S45<br>I |
| 16220226 | 2167014 | Field-service engineer | ( 8)21001<br>( 8)10020200 | ( 3)050104<br>( 8)BLANK | 555<br>8 | 11113333354<br>VMT | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 1623 METALLURGICAL AND MATERIALS ENGINEERS

**METALLURGICAL AND MATERIALS ENGINEERS** try to find new or improved ways to extract metal from ores and to make products from minerals, rocks, or metals. They also design tools and equipment to make products from materials such as clay, glass, stone, and metal.

```
                                      CODING TABLES                         Total count =  11
--------------------------------------------------------    ---------------------------------------------------
PHY       S   L   M   H   V                                 SVP     1   2   3   4   5   6   7   8   9
freq      2   9                                             freq                                11
%        18  82                                             %                                  100
                                                            ---------------------------------------------------
                                                            ENV     I   O   B   2   3   4   5   6   7
PHY       2   3   4   5   6                                 freq   11                           1
freq             11   6  11                                 %     100                           9
%               100  55 100                                 ---------------------------------------------------
--------------------------------------------------------    APT     G   V   N   S   P   Q   K   F   M   E   C
TEMP      D   F   I   J   M   P   R   S   T   V                                 frequency
freq     11           1  11               11   7            range 1 6   6   6   1       1
%       100           9 100              100  64                  2 5   5   5   9   6
--------------------------------------------------------          3             1   5   9   8   9   8       9
                 attributes                                       4                     1   3   2   3   8   2
   GED    1   2   3   4   5   6   7   freq                        5                                     3
 R freq                   8   3        = 11                                     percent
   %                     73  27                             range 1 55  55  55  9       9
 M freq                   8   3        = 11                       2 45  45  45  82  55
   %                     73  27                                   3             9   45  82  73  82  73      82
 L freq                   8   3        = 11                       4                     9   27  18  27  73  18
   %                     73  27                                   5                                     27

--------------------------------------------------------    ---------------------------------------------------
                                                            OES Survey     GOE            GED  Aptitudes     Phy. Dem
 Unique  DOT                      DOT                       over           over           over over          over
 Code    Code                     Title                     OES Matrix     USOE           SVP  Temperaments  Env. Cond

16230205  6061010  Ceramic design engineer                  (  4)21014     (  2)050107    555  22223444443   L456
                                                            (  4)10020400  ( 11)BLANK     8    DMT           I

16230208  6061014  Ceramic engineer                         (  4)21014     (  2)050107    666  11112143453   L46
                                                            (  4)10020400  ( 11)BLANK     8    VDMT          I6

16230211  6061018  Ceramic research engineer                (  4)21014     (  2)050101    555  22222333343   L456
                                                            (  4)10020400  ( 11)BLANK     8    DMT           I

16230214  6061022  Ceramics test engineer                   (  4)21014     (  2)050104    555  22222333343   L456
                                                            (  4)10020400  ( 11)BLANK     8    DMT           I

16230217 11061010  Foundry metallurgist                     (  6)21009     (  2)050101    555  11123333343   L46
                                                            (  6)10021400  ( 11)BLANK     8    VDMT          I

16230220 11061014  Metallographer                           (  6)21009     (  2)050104    555  11123333343   S46
                                                            (  6)10021400  ( 11)BLANK     8    VDMT          I

16230223 11061018  Metallurgist, extractive                 (  6)21009     (  2)050106    666  11123333343   L46
                                                            (  6)10021400  ( 11)BLANK     8    VDMT          I

16230226 11061022  Metallurgist, physical                   (  6)21009     (  1)020102    666  11123333343   L46
                                                            (  6)10021400  ( 11)BLANK     8    VDMT          I

16230229 11061026  Welding engineer                         (  6)21009     (  1)050108    555  11122333354   L456
                                                            (  6)10021400  ( 11)BLANK     8    VDJMT         I

16230232 11161010  Supervisor, metallurgical-               (  6)21009     (  1)020401    555  22232344443   L456
                   and-quality-control-testing              (  6)10021400  ( 11)BLANK     8    DMT           I

16230235 19061014  Materials engineer                       (  1)21900     (  2)050106    555  22222333354   S456
                                                            (  1)10022099  ( 11)BLANK     8    VDMT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

### 1624 MINING ENGINEERS

**MINING ENGINEERS** look for coal, ore, and other mineral deposits. They also conduct research, inspect mining areas, plan ways to mine deposits, direct work at mines and quarries, train miners, and write reports. Some spend much of their time at mine sites supervising mining operations. Others do research in offices or labs.

CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 5 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 1 | 5 | 5 | 5 |
| % | 20 | 20 | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 1 | 2 | 5 | 4 | | | 1 | 2 |
| % | 80 | | 20 | 40 | 100 | 80 | | | 20 | 40 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |
| M freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |
| L freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 5 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 4 | | | 2 | | 2 | 2 |
| % | 20 | | 80 | | | 40 | | 40 | 40 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 5 | 5 | 5 | 2 | | | | | | |
| | 3 | | | | | 3 | 5 | 4 | 4 | 4 | | |
| | 4 | | | | | | | 1 | 1 | 1 | 4 | 4 |
| | 5 | | | | | | | | | | 1 | 1 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 100 | 100 | 40 | | | | | | |
| | 3 | | | | | 60 | 100 | 80 | 80 | 80 | | |
| | 4 | | | | | | | 20 | 20 | 20 | 80 | 80 |
| | 5 | | | | | | | | | | 20 | 20 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16240205 | 10061010 | Design engineer, mining-and-oilfield equipment | ( 4)21010<br>( 4)10021600 | ( 1)050107<br>( 5)BLANK | 555<br>8 | 22222333344<br>DMP | L456<br>B |
| 16240208 | 10061014 | Mining engineer | ( 4)21010<br>( 4)10021600 | ( 1)050106<br>( 5)BLANK | 555<br>8 | 22223333355<br>VDMT | L456<br>B467 |
| 16240211 | 10061022 | Research engineer, mining-and-oil-well equipment | ( 4)21010<br>( 4)10021600 | ( 1)050101<br>( 5)BLANK | 555<br>8 | 22223333344<br>DPJM | L456<br>I |
| 16240214 | 10061026 | Safety engineer, mines | ( 1)21012<br>( 1)10021000 | ( 1)050102<br>( 5)BLANK | 555<br>8 | 22222344444<br>VPIJM | L23456<br>B467 |
| 16240217 | 10061030 | Test engineer, mining-and-oilfield equipment | ( 4)21010<br>( 4)10021600 | ( 1)050104<br>( 5)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>B |

# CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 1625 PETROLEUM ENGINEERS

**PETROLEUM ENGINEERS** plan, organize, and supervise the way oil and natural gas are obtained, stored, and shipped. They also conduct research, give technical advice, and direct workers who drill and operate oil wells. Some spend much of their time at oil fields. Others work mostly in offices or labs.

CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 3 | | | |
| % | 63 | 38 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 5 | 7 | 3 |
| % | | | 63 | 88 | 38 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | 3 | 7 | 4 | | | 4 | 8 |
| % | 100 | | | 38 | 88 | 50 | | | 50 | 100 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 4 | 3 | | = 8 |
| % | | | | 13 | 50 | 38 | | |
| M freq | | | | 1 | 4 | 3 | | = 8 |
| % | | | | 13 | 50 | 38 | | |
| L freq | | | | 2 | 3 | 3 | | = 8 |
| % | | | | 25 | 38 | 38 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 4 | 2 |
| % | | | | | | | 25 | 50 | 25 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | 1 | 1 | | | | 1 | | |
| % | 75 | 13 | 13 | | | | 13 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 5 | 5 | 5 | 5 | | | | | | | |
| | 2 | 3 | 3 | 3 | 2 | 6 | 1 | 1 | | | | |
| | 3 | | | | 1 | 2 | 6 | 2 | 3 | 3 | | 1 |
| | 4 | | | | | | 1 | 5 | 5 | 5 | | 1 |
| | 5 | | | | | | | | | | 8 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | 63 | 63 | 63 | 63 | | | | | | | |
| | 2 | 38 | 38 | 38 | 25 | 75 | 13 | 13 | | | | |
| | 3 | | | | 13 | 25 | 75 | 25 | 38 | 38 | | 13 |
| | 4 | | | | | | 13 | 63 | 63 | 63 | | 13 |
| | 5 | | | | | | | | | | 100 | 75 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16250205 | 10061018 | Petroleum engineer | ( 5)21011<br>( 5)10021800 | ( 3)050108<br>( 8)BLANK | 555<br>8 | 11112333355<br>VDMT | L45<br>I |
| 16250208 | 10131010 | Well-logging captain, mud analysis | ( 1)32900<br>( 1)10081898 | ( 1)020401<br>( 8)BLANK | 554<br>7 | 22233244453<br>DPMTV | L56<br>B5 |
| 16250211 | 10161010 | Chief engineer, research | ( 5)21011<br>( 5)10021800 | ( 1)050101<br>( 8)BLANK | 666<br>8 | 11112344455<br>VDPJM | S45<br>I |
| 16250214 | 10161014 | Chief petroleum engineer | ( 5)21011<br>( 5)10021800 | ( 3)050108<br>( 8)BLANK | 666<br>9 | 11112344455<br>VDJMT | S4<br>I |
| 16250217 | 10161018 | Observer, seismic prospecting | ( 1)39000<br>( 1)10141404 | ( 1)050304<br>( 8)BLANK | 444<br>7 | 22223333354<br>VDPM | L456<br>O |
| 16250220 | 10167010 | Chief engineer | ( 5)21011<br>( 5)10021800 | ( 3)050108<br>( 8)BLANK | 666<br>9 | 11112323355<br>VDMT | S456<br>I |
| 16250223 | 10167014 | District supervisor, mud-analysis well logging | ( 5)21011<br>( 5)10021800 | ( 1)050203<br>( 8)BLANK | 555<br>8 | 11112444455<br>VDM | S5<br>I |
| 16250226 | 10167018 | Superintendent, oil-well services | ( 1)19000<br>( 1)20061699 | ( 1)050201<br>( 8)BLANK | 555<br>8 | 22222344455<br>DJPV | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

### 1626 CHEMICAL ENGINEERS

**CHEMICAL ENGINEERS** develop new ways to make chemicals and related products. They also help design, build, and operate plants that use or process chemicals. Because their duties cut across many fields, they must have a knowledge of chemistry, physics, and mechanical and electrical engineering. Some specialize in certain areas such as pollution control, or heat transfer, or in the production of certain types of products such as plastics or drugs. Some teach or do research.

CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 4 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 5 | 2 | 6 |
| % | | | 83 | 33 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | 3 | 6 | 1 | | | 5 | 3 |
| % | 100 | | | 50 | 100 | 17 | | | 83 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 3 | 3 | | = 6 |
| % | | | | | 50 | 50 | | |
| M freq | | | | | 3 | 3 | | = 6 |
| % | | | | | 50 | 50 | | |
| L freq | | | | | 4 | 2 | | = 6 |
| % | | | | | 67 | 33 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 6 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | 1 | | | | | | |
| % | 83 | | 17 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 2 | 3 | | | | | | | | |
| | 2 | 3 | 4 | 3 | 6 | 2 | | | | | | |
| | 3 | | | | | 4 | 6 | 4 | 4 | 4 | | |
| | 4 | | | | | | | 2 | 2 | 2 | 1 | 5 |
| | 5 | | | | | | | | | | 5 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 50 | 33 | 50 | | | | | | | | |
| | 2 | 50 | 67 | 50 | 100 | 33 | | | | | | |
| | 3 | | | | | 67 | 100 | 67 | 67 | 67 | | |
| | 4 | | | | | | | 33 | 33 | 33 | 17 | 83 |
| | 5 | | | | | | | | | | 83 | 17 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16260205 | 8061010 | Absorption-and-adsorption engineer | ( 6)21003<br>( 6)10020400 | ( 2)050108<br>( 6)BLANK | 666<br>8 | 11123333354<br>DMT | S46<br>I |
| 16260208 | 8061014 | Chemical design engineer, processes | ( 6)21003<br>( 6)10020400 | ( 2)050107<br>( 6)BLANK | 555<br>8 | 22223333354<br>DMT | S46<br>I |
| 16260211 | 8061018 | Chemical engineer | ( 6)21003<br>( 6)10020400 | ( 2)050107<br>( 6)BLANK | 666<br>8 | 11123333354<br>VDJMT | L46<br>B |
| 16260214 | 8061022 | Chemical research engineer | ( 6)21003<br>( 6)10020400 | ( 1)050101<br>( 6)BLANK | 555<br>8 | 22222344444<br>DJMP | L456<br>I |
| 16260217 | 8061026 | Chemical-test engineer | ( 6)21003<br>( 6)10020400 | ( 1)050104<br>( 6)BLANK | 555<br>8 | 22223333354<br>VDMT | L46<br>I |
| 16260220 | 8167010 | Technical director, chemical plant | ( 6)21003<br>( 6)10020400 | ( 2)050108<br>( 6)BLANK | 665<br>8 | 12122344455<br>VDMJT | L56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

### 1627 NUCLEAR ENGINEERS

**NUCLEAR ENGINEERS** study the development and uses of atomic power. They also design, develop, and test equipment that is used to release, control and utilize nuclear energy. Some are researchers, while others direct the operations of nuclear power plants. They must be knowledgeable of nuclear reactors, reactions, and radiation.

#### CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 3 | | | |
| % | 25 | 75 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 3 | 4 |
| % | | | 100 | 75 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | 4 | 3 | | | 1 | |
| % | 100 | | | | 100 | 75 | | | 25 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 3 | 1 | | = 4 |
| % | | | | | 75 | 25 | | |
| M freq | | | | | 3 | 1 | | = 4 |
| % | | | | | 75 | 25 | | |
| L freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 4 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | 1 | 1 | 1 | | | | | | | | |
| 2 | 3 | 3 | 3 | 4 | | | | | | | |
| 3 | | | | | 4 | 4 | 4 | 4 | 4 | | |
| 4 | | | | | | | | | | 3 | 3 |
| 5 | | | | | | | | | | 1 | 1 |
| | | | | | percent | | | | | | |
| range 1 | 25 | 25 | 25 | | | | | | | | |
| 2 | 75 | 75 | 75 | 100 | | | | | | | |
| 3 | | | | | 100 | 100 | 100 | 100 | 100 | | |
| 4 | | | | | | | | | | 75 | 75 |
| 5 | | | | | | | | | | 25 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16270205 | 15061010 | Design engineer, nuclear equipment | ( 4)21017<br>( 4)10022004 | ( 1)050107<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16270208 | 15061014 | Nuclear engineer | ( 4)21017<br>( 4)10022004 | ( 1)050103<br>( 4)BLANK | 665<br>8 | 11123333355<br>DMT | S46<br>I |
| 16270211 | 15061018 | Research engineer, nuclear equipment | ( 4)21017<br>( 4)10022004 | ( 1)050101<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16270214 | 15061022 | Test engineer, nuclear equipment | ( 4)21017<br>( 4)10022004 | ( 1)050104<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |

11 Associated DOT Titles

## 1628 CIVIL ENGINEERS

CIVIL ENGINEERS plan, design, and supervise the construction of structures such as buildings, roads, water and sewage systems, bridges, and dams. They also may do such things as conduct research, advise on engineering problems, prepare technical reports and materials, and teach.

### CODING TABLES

Total count = 11

```
------------------------------------------------------   ------------------------------------------------------
PHY      S  L   M   H   V                                SVP     1   2   3   4   5   6   7   8   9
freq     1  10                                           freq                            2   8   1
%        9  91                                           %                              18  73   9
                                                         ------------------------------------------------------
                                                         ENV     I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                               freq    2   1   8
freq             9   7  11                               %      18   9  73
%               82  64 100                               ------------------------------------------------------
------------------------------------------------------   APT         G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                                  frequency
freq    10              11   1          11   9           range 1     2   3   3   2
%       91             100   9         100  82                 2     9   8   8   9  11  10
------------------------------------------------------           3                           8   9   9   3   6
                  attributes                                     4                       1   3   2   2   4   3
   GED     1   2   3   4   5   6   7   freq                      5                                       4   2
 R freq                   11           = 11                                      percent
   %                     100                             range 1    18  27  27  18
 M freq                   11           = 11                    2    82  73  73  82 100  91
   %                     100                                   3                            73  82  82  27  55
 L free                2   9           = 11                    4                         9  27  18  18  36  27
   %                  18  82                                   5                                        36  18

------------------------------------------------------   ------------------------------------------------------
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                                                  OES Survey       GOE              GED  Aptitudes    Phy. Dem
Unique    DOT                DOT                  over             over             over over         over
Code      Code               Title                OES Matrix       USOE             SVP  Temperaments Env. Cond

16280205   5061010  Airport engineer              ( 10)21004       (  3)050107      555  2222223334З  L456
                                                  ( 10)10020600    ( 10)BLANK       8    VDMT         B

16280208   5061014  Civil engineer                ( 10)21004       (  3)050107      555  22222233343  L46
                                                  ( 10)10020600    ( 10)BLANK       8    VDMT         B

16280211   5061018  Hydraulic engineer            ( 10)21004       (  5)050103      555  22222233354  L456
                                                  ( 10)10020600    ( 10)BLANK       7    VDMT         B

16280214   5061022  Irrigation engineer           ( 10)21004       (  5)050103      554  22222233333  L46
                                                  ( 10)10020600    ( 10)BLANK       8    VDMT         B

16280217   5061026  Railroad engineer             ( 10)21004       (  3)050107      555  22222233333  L56
                                                  ( 10)10020600    ( 10)BLANK       8    VDMT         B

16280220   5061030  Sanitary engineer             ( 10)21004       (  5)050103      555  11122243344  L456
                                                  ( 10)10020600    ( 10)BLANK       8    VDMT         B

16280223   5061034  Structural engineer           ( 10)21004       (  2)050108      555  22222233333  L46
                                                  ( 10)10020600    ( 10)BLANK       8    MTV          B

16280226   5061038  Transportation engineer       ( 10)21004       (  2)050108      555  22222233353  L46
                                                  ( 10)10020600    (  1)16010601    8    VDMT         B

16280229   5167010  Chief engineer, waterworks    ( 10)21004       (  5)050103      555  21112244455  L56
                                                  ( 10)10020600    ( 10)BLANK       9    DPMT         I

16280232   5167014  Drainage-design coordinator   (  1)21005       (  5)050103      554  22222444455  S456
                                                  (  1)10020800    ( 10)BLANK       8    DMT          I

16280235   5167018  Forest engineer               ( 10)21004       (  1)050106      555  11112233344  L456
                                                  ( 10)10020600    ( 10)BLANK       7    VDMT         0
```

90

4 Associated DOT Titles

## 1632 AGRICULTURAL ENGINEERS

**AGRICULTURAL ENGINEERS** work to solve farming problems and find ways to make farms run better and produce more. They design farm machines, structures, and equipment that will improve the production, processing, and delivery of farm products. Some plan and supervise the production of such items. Others help to conserve and manage energy, soil, and water resources.

### CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 3 | 4 |
| % | | | 100 | 75 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | 4 | 4 | | | 1 | 1 |
| % | 100 | | | | 100 | 100 | | | 25 | 25 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |
| M freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |
| L freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 4 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 3 | | | | | | |
| % | 25 | | 75 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | | | | | | | | |
| | 2 | 3 | 3 | 3 | 4 | | | | | | | |
| | 3 | | | | | 4 | 4 | 4 | 4 | 4 | 1 | 1 |
| | 4 | | | | | | | | | | 3 | 3 |
| | 5 | | | | | | | | | | | |
| | | | | | | percent | | | | | | |
| range | 1 | 25 | 25 | 25 | | | | | | | | |
| | 2 | 75 | 75 | 75 | 100 | | | | | | | |
| | 3 | | | | | 100 | 100 | 100 | 100 | 100 | 25 | 25 |
| | 4 | | | | | | | | | | 75 | 75 |
| | 5 | | | | | | | | | | | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16320205 | 13061010 | Agricultural engineer | ( 4)21002<br>( 4)10022099 | ( 1)050108<br>( 4)BLANK | 555<br>8 | 11123333333<br>VDMPT | L46<br>B |
| 16320208 | 13061014 | Agricultural-research engineer | ( 4)21002<br>( 4)10022099 | ( 1)050101<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>B |
| 16320211 | 13061018 | Design-engineer, agricultural equipment | ( 4)21002<br>( 4)10022099 | ( 1)050107<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16320214 | 13061022 | Test engineer, agricultural equipment | ( 4)21002<br>( 4)10022099 | ( 1)050104<br>( 4)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>B |

# CLASSIFICATION AND CODING DISTRIBUTIONS

28 Associated DOT Titles

## 1633 ELECTRICAL AND ELECTRONIC ENGINEERS

**ELECTRICAL ENGINEERS** design, develop, test, and supervise the manufacture of electrical and electronic parts. Those who work with electronic equipment are called **ELECTRONIC ENGINEERS**. Electrical equipment includes power generators and transmitters used in power plants and electric motors, lighting and wiring in buildings, cars, and planes. Electronic equipment includes radar, computers, TV's and stereo sets. **ELECTRICAL ENGINEERS** design and operate power plants. Some teach and do research.

### CODING TABLES

Total count = 28

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 9 | 19 | | | |
| % | 32 | 68 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 25 | 21 | 23 |
| % | | | 89 | 75 | 82 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 16 | | | 8 | 27 | 7 | | | 19 | 21 |
| % | 57 | | | 29 | 96 | 25 | | | 68 | 75 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 24 | 4 | | = 28 |
| % | | | | | 86 | 14 | | |
| M freq | | | | | 24 | 4 | | = 28 |
| % | | | | | 86 | 14 | | |
| L freq | | | | | 24 | 4 | | = 28 |
| % | | | | | 86 | 14 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 27 | |
| % | | | | | | | 4 | 96 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 21 | | 7 | | | | | 1 | |
| % | 75 | | 25 | | | | | 4 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 14 | 13 | 15 | 7 | | | | | | | |
| | 2 | 14 | 15 | 13 | 21 | 20 | 1 | 2 | 1 | | | 2 |
| | 3 | | | | | 8 | 25 | 20 | 21 | 22 | 1 | 8 |
| | 4 | | | | | | 2 | 6 | 6 | 6 | 12 | 8 |
| | 5 | | | | | | | | | | 15 | 10 |
| percent | | | | | | | | | | | | |
| range | 1 | 50 | 46 | 54 | 25 | | | | | | | |
| | 2 | 50 | 54 | 46 | 75 | 71 | 4 | 7 | 4 | | | 7 |
| | 3 | | | | | 29 | 89 | 71 | 75 | 79 | 4 | 29 |
| | 4 | | | | | | 7 | 21 | 21 | 21 | 43 | 29 |
| | 5 | | | | | | | | | | 54 | 36 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16330205 | 3061010 | Electrical engineer | ( 28)21005<br>( 28)10020800 | ( 3)050108<br>( 28)BLANK | 555<br>8 | 22223333333<br>VDMT | L456<br>B |
| 16330208 | 3061014 | Electrical test engineer | ( 28)21005<br>( 28)10020800 | ( 2)050104<br>( 28)BLANK | 555<br>8 | 22223333343<br>VDMT | L456<br>B |
| 16330211 | 3061018 | Electrical-design engineer | ( 28)21005<br>( 28)10020800 | ( 3)050107<br>( 28)BLANK | 555<br>8 | 22222333344<br>VPJMT | L456<br>I |
| 16330214 | 3061022 | Electrical-prospecting engineer | ( 28)21005<br>( 28)10020800 | ( 3)050107<br>( 28)BLANK | 666<br>8 | 11112323355<br>VMT | S456<br>I |
| 16330217 | 3061026 | Electrical-research engineer | ( 28)21005<br>( 28)10020800 | ( 2)050101<br>( 28)BLANK | 555<br>8 | 22222333343<br>VJMT | L456<br>I |
| 16330220 | 3061030 | Electronics engineer | ( 28)21005<br>( 28)10020800 | ( 3)050108<br>( 28)BLANK | 555<br>8 | 22222333342<br>VJMT | L456<br>I |
| 16330223 | 3061034 | Electronics-design engineer | ( 28)21005<br>( 28)10020800 | ( 3)050107<br>( 28)BLANK | 555<br>8 | 22222333343<br>VJMT | L456<br>I |
| 16330226 | 3061038 | Electronics-research engineer | ( 28)21005<br>( 28)10020800 | ( 2)050101<br>( 28)BLANK | 555<br>8 | 22222333343<br>VJMT | L456<br>I |
| 16330229 | 3061042 | Electronics-test engineer | ( 28)21005<br>( 28)10020800 | ( 2)050104<br>( 28)BLANK | 555<br>8 | 22223333343<br>VDMT | L456<br>I |
| 16330232 | 3061046 | Illuminating engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11122333354<br>DMT | S456<br>I |
| 16330235 | 3061050 | Planning engineer, central office facilities | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 666<br>8 | 11122344455<br>DJ | S56<br>I |
| 16330238 | 3167010 | Cable engineer, outside plant | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 22222333343<br>VDMT | L456<br>B |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16330241 | 3167014 | Distribution-field engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 22223344455<br>VMT | L4<br>B |
| 16330244 | 3167018 | Electrical engineer, power system | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 666<br>8 | 11112333344<br>VDPJM | L456<br>I |
| 16330247 | 3167022 | Electrolysis-and-corrosion-control engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11122233344<br>VDMT | L4<br>B |
| 16330250 | 3167026 | Engineer of system development | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11122333355<br>VDPM | S456<br>I |
| 16330253 | 3167030 | Engineer-in-charge, studio operations | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 22222333352<br>VDMT | L456<br>I |
| 16330256 | 3167034 | Engineer-in-charge, transmitter | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 22223433353<br>VDM | L456<br>I |
| 16330259 | 3167038 | Induction-coordination power engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11113333344<br>VPMT | L5<br>I |
| 16330262 | 3167042 | Outside-plant engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 12112333355<br>DJM | L46<br>B |
| 16330265 | 3167046 | Power-distribution engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11112322355<br>MT | S46<br>I |
| 16330268 | 3167050 | Power-transmission engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11122333344<br>VDPM | L46<br>I |
| 16330271 | 3167054 | Protection engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11112333354<br>VDPM | S456<br>I6 |
| 16330274 | 3167058 | Supervisor, microwave | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11112333354<br>DMP | S5<br>I |
| 16330277 | 3167066 | Transmission-and-protection engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>8 | 11123344455<br>MT | L46<br>B |
| 16330280 | 3187010 | Central-office equipment engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 666<br>8 | 11123344455<br>VMT | S46<br>I |
| 16330283 | 3187014 | Commercial engineer | ( 28)21005<br>( 28)10020800 | ( 18)050103<br>( 28)BLANK | 555<br>7 | 22122344455<br>MT | S45<br>I |
| 16330286 | 3187018 | Customer-equipment engineer | ( 28)21005<br>( 28)10020800 | ( 3)050108<br>( 28)BLANK | 555<br>8 | 22222444455<br>VDM | L456<br>I |

22 Associated DOT Titles

## 1634 INDUSTRIAL ENGINEERS

**INDUSTRIAL ENGINEERS** study and design ways to make the best use of people, machines, and materials in business and industry. They advise on and set up methods to promote efficient, safe, and cost-effective use of people and machines. They plan equipment layout, workflow, and means to prevent accidents. They also plan and oversee training programs and develop ways to control product quality and keep production records.

### CODING TABLES

Total count = 22

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 17 | 5 | | | |
| % | 77 | 23 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 9 | 16 | 18 |
| % | | | 41 | 73 | 82 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 18 | | | 8 | 22 | 8 | | | 15 | 8 |
| % | 82 | | | 36 | 100 | 36 | | | 68 | 36 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 16 | 6 | | = 22 |
| % | | | | | 73 | 27 | | |
| M freq | | | | 1 | 15 | 6 | | = 22 |
| % | | | | 5 | 68 | 27 | | |
| L freq | | | | 2 | 14 | 6 | | = 22 |
| % | | | | 9 | 64 | 27 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 9 | 13 | |
| % | | | | | | | 41 | 59 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 19 | | 3 | | | | | | |
| % | 86 | | 14 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 8 | 8 | 7 | 2 | | | | | | | |
| | 2 | 12 | 12 | 13 | 13 | 8 | 2 | | | | | |
| | 3 | 2 | 2 | 2 | 7 | 13 | 18 | 13 | 11 | 11 | 4 | 7 |
| | 4 | | | | | 1 | 2 | 9 | 11 | 11 | 2 | 7 |
| | 5 | | | | | | | | | | 16 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | 36 | 36 | 32 | 9 | | | | | | | |
| | 2 | 55 | 55 | 59 | 59 | 36 | 9 | | | | | |
| | 3 | 9 | 9 | 9 | 32 | 59 | 82 | 59 | 50 | 50 | 18 | 32 |
| | 4 | | | | | 5 | 9 | 41 | 50 | 50 | 9 | 32 |
| | 5 | | | | | | | | | | 73 | 36 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16340205 | 12061010 | Product-safety engineer | ( 6)21012<br>( 22)10021000 | ( 5)050102<br>( 18)BLANK | 666<br>8 | 22223333333<br>VDPM | S46<br>I |
| 16340208 | 12061014 | Safety engineer | ( 6)21012<br>( 22)10021000 | ( 5)050102<br>( 18)BLANK | 666<br>8 | 22223333334<br>VDPJM | L46<br>I |
| 16340211 | 12061018 | Standards engineer | ( 16)21006<br>( 22)10021000 | ( 10)050106<br>( 18)BLANK | 555<br>8 | 11112334453<br>VJMT | S456<br>I |
| 16340214 | 12067010 | Metrologist | ( 16)21006<br>( 22)10021000 | ( 2)050104<br>( 18)BLANK | 666<br>8 | 22122233353<br>DMT | S456<br>I |
| 16340217 | 12167010 | Configuration management analyst | ( 16)21006<br>( 22)10021000 | ( 10)050106<br>( 18)BLANK | 545<br>8 | 22233244455<br>VDMT | L5<br>I |
| 16340220 | 12167014 | Director, quality control | ( 16)21006<br>( 22)10021000 | ( 1)050203<br>( 18)BLANK | 666<br>8 | 11223344453<br>DPM | S56<br>I |
| 16340223 | 12167018 | Factory lay-out engineer | ( 16)21006<br>( 22)10021000 | ( 10)050106<br>( 18)BLANK | 555<br>8 | 22222333355<br>DMT | S46<br>I |
| 16340226 | 12167022 | Fire-prevention research engineer | ( 6)21012<br>( 22)10021000 | ( 1)050101<br>( 1)16060200 | 555<br>7 | 22223344454<br>DPJMT | S56<br>B |
| 16340229 | 12167026 | Fire-protection engineer | ( 6)21012<br>( 22)10021000 | ( 5)050102<br>( 18)BLANK | 555<br>7 | 11122333334<br>DPJMT | L456<br>B |
| 16340232 | 12167030 | Industrial engineer | ( 16)21006<br>( 22)10021000 | ( 10)050106<br>( 18)BLANK | 555<br>7 | 11123333355<br>VDMT | S56<br>I |
| 16340235 | 12167034 | Industrial-health engineer | ( 6)21012<br>( 22)10021000 | ( 5)050102<br>( 18)BLANK | 555<br>7 | 11123344453<br>DPJMT | S5<br>B |
| 16340238 | 12167038 | Liaison worker, tool fabrication | ( 16)21006<br>( 22)10021000 | ( 10)050106<br>( 18)BLANK | 554<br>7 | 33333434455<br>DMT | S5<br>I |

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16340241  12167042  Manufacturing engineer         ( 16)21006     ( 10)050106   555  11212344455  S6
                                                   ( 22)10021000  ( 18)BLANK    8    DMT          I

16340244  12167046  Production engineer            ( 16)21006     ( 10)050106   555  22232333344  S5
                                                   ( 22)10021000  ( 18)BLANK    7    VDMT         I

16340247  12167050  Production planner             ( 16)21006     ( 10)050106   555  22223344455  S56
                                                   ( 22)10021000  (  3)16011100 7    VDM          I

16340250  12167054  Quality-control engineer       ( 16)21006     (  2)050104   666  11122333343  L56
                                                   ( 22)10021000  ( 18)BLANK    8    JMT          I

16340253  12167058  Safety manager                 (  6)21012     (  5)050102   666  22233333334  S456
                                                   ( 22)10021000  ( 18)BLANK    8    VDPM         I

16340256  12167062  Supervisor, vendor quality     ( 16)21006     (  1)050306   555  22234433355  S56
                                                   ( 22)10021000  ( 18)BLANK    7    DPJM         I

16340259  12167070  Time-study engineer            ( 16)21006     ( 10)050106   555  11122344454  L56
                                                   ( 22)10021000  ( 18)BLANK    8    DJMT         I

16340262  12167074  Tool planner                   ( 16)21006     ( 10)050106   555  22223344455  S46
                                                   ( 22)10021000  (  3)16011100 8    DM           I

16340265  12187010  Material scheduler             ( 16)21006     (  1)050303   555  22233344454  S56
                                                   ( 22)10021000  (  3)16011100 7    MT           I

16340268  12187014  Shoe-lay-out planner           ( 16)21006     (  1)050302   554  33333333353  S46
                                                   ( 22)10021000  ( 18)BLANK    8    MT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

12 Associated DOT Titles

### 1635 MECHANICAL ENGINEERS

**MECHANICAL ENGINEERS** design and develop tools, engines, machines, and other equipment. They also direct the installation, use, upkeep, and repair of equipment used in heat, gas, water, and steam systems. Many specialize in a certain product area, such as motor vehicles, marine equipment, heating and cooling units, or plastics. Some conduct research, do sales work, or teach.

CODING TABLES

Total count = 12

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | 6 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 9 | 7 | 9 |
| % | | | 75 | 58 | 75 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | 6 | 12 | 2 | | | 8 | 5 |
| % | 67 | | | 50 | 100 | 17 | | | 67 | 42 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 12 | | | = 12 |
| % | | | | | 100 | | | |
| M freq | | | | | 12 | | | = 12 |
| % | | | | | 100 | | | |
| L freq | | | | 2 | 10 | | | = 12 |
| % | | | | 17 | 83 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 10 | |
| % | | | | | | | 17 | 83 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | | 1 | | | | | | |
| % | 92 | | 8 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 2 | 1 | 2 | | | | | | | |
| | 2 | 10 | 10 | 11 | 10 | 10 | 1 | | | | | |
| | 3 | | | | | 2 | 10 | 8 | 8 | 8 | | 1 |
| | 4 | | | | | | 1 | 4 | 4 | 4 | 3 | 8 |
| | 5 | | | | | | | | | | 9 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 17 | 17 | 8 | 17 | | | | | | | |
| | 2 | 83 | 83 | 92 | 83 | 83 | 8 | | | | | |
| | 3 | | | | | 17 | 83 | 67 | 67 | 67 | | 8 |
| | 4 | | | | | | 8 | 33 | 33 | 33 | 25 | 67 |
| | 5 | | | | | | | | | | 75 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16350205 | 7061010 | Automotive engineer | ( 10)21008<br>( 10)10021200 | ( 3)050108<br>( 9)BLANK | 555<br>8 | 22222333353<br>DJMT | L456<br>I |
| 16350208 | 7061014 | Mechanical engineer | ( 10)21008<br>( 10)10021200 | ( 3)050108<br>( 9)BLANK | 555<br>8 | 22223333355<br>VDJMT | L46<br>B |
| 16350211 | 7061018 | Mechanical-design engineer, facilities | ( 10)21008<br>( 10)10021200 | ( 4)050107<br>( 9)BLANK | 555<br>8 | 11212333355<br>DM | S45<br>I |
| 16350214 | 7061022 | Mechanical-design engineer, products | ( 10)21008<br>( 10)10021200 | ( 4)050107<br>( 9)BLANK | 555<br>8 | 22222333344<br>VDPM | S456<br>I |
| 16350217 | 7061026 | Tool designer | ( 10)21008<br>( 10)10021200 | ( 4)050107<br>( 1)16011302 | 555<br>8 | 22222333354<br>MVJT | L46<br>I |
| 16350220 | 7061030 | Tool-designer apprentice | ( 10)21008<br>( 10)10021200 | ( 4)050107<br>( 9)BLANK | 555<br>8 | 22222333354<br>MVJT | L46<br>I |
| 16350223 | 7061034 | Utilization engineer | ( 10)21008<br>( 10)10021200 | ( 1)050106<br>( 9)BLANK | 555<br>8 | 22222344454<br>VDJMT | S56<br>I |
| 16350226 | 7161022 | Mechanical research engineer | ( 10)21008<br>( 10)10021200 | ( 1)050101<br>( 9)BLANK | 555<br>8 | 22222333344<br>DPM | L456<br>I |
| 16350229 | 7161034 | Test engineer, mechanical equipment | ( 10)21008<br>( 10)10021200 | ( 1)050104<br>( 9)BLANK | 555<br>8 | 22222333344<br>DMT | S5<br>I |
| 16350232 | 7167010 | Die-drawing checker | ( 1)32900<br>( 1)10081898 | ( 2)050302<br>( 2)17130000 | 554<br>7 | 22222244454<br>MT | S6<br>I |
| 16350235 | 7167014 | Plant engineer | ( 10)21008<br>( 10)10021200 | ( 3)050108<br>( 9)BLANK | 555<br>8 | 11113444455<br>DJM | L45<br>I |
| 16350238 | 7167022 | Tool-drawing checker | ( 1)32003<br>( 1)10080600 | ( 2)050302<br>( 2)17130000 | 554<br>7 | 22222344454<br>MT | S46<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 1636 COMPUTER ENGINEERS

**COMPUTER ENGINEEERS** plan, design, and help build computers and related equipment. They also help companies decide what computer equipment they need.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 1 | | | |
| % | 67 | 33 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 3 | 2 |
| % | | | | 100 | 67 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 2 | 3 | | | | | 2 |
| % | 33 | | | 67 | 100 | | | | | 67 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 3 | | = 3 |
| % | | | | | | 100 | | |
| M freq | | | | | 1 | 2 | | = 3 |
| % | | | | | 33 | 67 | | |
| L freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 2 | |
| % | | | | | | | 33 | 67 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 2 | 3 | 2 | | | | | | | |
| | 2 | | 1 | | 1 | 2 | 2 | | | | | |
| | 3 | | | | | 1 | 1 | | | | | |
| | 4 | | | | | | | 3 | 3 | 3 | 1 | |
| | 5 | | | | | | | | | | 2 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 100 | 67 | 100 | 67 | | | | | | | |
| | 2 | | 33 | | 33 | 67 | 67 | | | | | |
| | 3 | | | | | 33 | 33 | | | | | |
| | 4 | | | | | | | 100 | 100 | 100 | 33 | |
| | 5 | | | | | | | | | | 67 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16360205 | 3167062 | Systems engineer, electronic data processing | ( 1)21005<br>( 1)10020800 | ( 1)050103<br>( 3)BLANK | 655<br>8 | 11113344445<br>JM | S5<br>I |
| 16360208 | 20062010 | Computer-applications engineer | ( 2)24000<br>( 2)10160400 | ( 1)020101<br>( 3)BLANK | 666<br>8 | 11112244455<br>DMV | L56<br>[illegible] |
| 16360211 | 20067010 | Engineering analyst | ( 2)24000<br>( 2)10160400 | ( 1)110101<br>( 3)BLANK | 665<br>7 | 12122244455<br>VJM | S56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 1637 MARINE ENGINEERS AND NAVAL ARCHITECTS

These workers plan, design, test, and oversee the construction and repair of marine craft, structures, and port facilities. They also design the machinery and equipment used aboard vessels. They study drawings and design specifications to plan the layout and design of ship systems. Some specialize in the inspection and repair of marine craft or equipment. Some check vessels to see if they meet insurance requirements.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 6 | | | |
| % | 14 | 86 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 1 | 6 | 6 | 7 |
| % | 14 | 14 | 86 | 86 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | 1 | 7 | 3 | | | 4 | 2 |
| % | 86 | | | 14 | 100 | 43 | | | 57 | 29 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 5 | 2 | | = 7 |
| % | | | | | 71 | 29 | | |
| M freq | | | | 2 | 4 | 1 | | = 7 |
| % | | | | 29 | 57 | 14 | | |
| L freq | | | 1 | 1 | 4 | 1 | | = 7 |
| % | | | 14 | 14 | 57 | 14 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 6 | 1 |
| % | | | | | | | | 86 | 14 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | 2 | | | | | | |
| % | 71 | | 29 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 2 | 2 | 2 | | | | | | | |
| | 2 | 5 | 5 | 5 | 4 | 3 | 1 | 1 | | | | |
| | 3 | | | | 1 | 4 | 5 | 3 | 5 | 6 | | 1 |
| | 4 | | | | | | 1 | 3 | 2 | 1 | 6 | 4 |
| | 5 | | | | | | | | | | 1 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 29 | 29 | 29 | 29 | | | | | | | |
| | 2 | 71 | 71 | 71 | 57 | 43 | 14 | 14 | | | | |
| | 3 | | | | 14 | 57 | 71 | 43 | 71 | 86 | | 14 |
| | 4 | | | | | | 14 | 43 | 29 | 14 | 86 | 57 |
| | 5 | | | | | | | | | | 14 | 29 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16370205 | 1061014 | Architect, marine | ( 1)25405<br>( 1)10240400 | ( 2)050107<br>( 1)17130000 | 666<br>9 | 11112223354<br>VDMT | L46<br>I |
| 16370208 | 14061010 | Design engineer, marine equipment | ( 6)21007<br>( 6)10021200 | ( 2)050107<br>( 6)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16370211 | 14061014 | Marine engineer | ( 6)21007<br>( 6)10021200 | ( 1)050103<br>( 6)BLANK | 655<br>8 | 11112343343<br>VDMT | L456<br>B |
| 16370214 | 14061018 | Research engineer, marine equipment | ( 6)21007<br>( 6)10021200 | ( 1)050101<br>( 6)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16370217 | 14061022 | Test engineer, marine equipment | ( 6)21007<br>( 6)10021200 | ( 1)050104<br>( 6)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 16370220 | 14167010 | Marine surveyor | ( 6)21007<br>( 6)10021200 | ( 1)050306<br>( 6)BLANK | 544<br>8 | 22233444345<br>JMT | L23456<br>B |
| 16370223 | 14167014 | Port engineer | ( 6)21007<br>( 6)10021200 | ( 1)050106<br>( 6)BLANK | 543<br>8 | 22222344445<br>DMT | S56<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 1639 ENGINEERS, N.E.C.

These ENGINEERS do research to develop and test new theories and facts, and design new types of products. They may specialize in medicine, optics, explosives, photography, or another field. Some design artificial (fake) body organs or develop new optical systems. Some develop and test explosives. Some prepare instructions for the installation of equipment. They use math and complex instruments and equipment to design, build, and test products. They also prepare charts, graphs, diagrams, and technical reports. Some teach and/or do consulting.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 8 | 3 | | | |
| % | 73 | 27 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 8 | 9 | 10 |
| % | | | 73 | 82 | 91 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | | | 2 | 10 | 4 | | | 10 | 6 |
| % | 100 | | | 18 | 91 | 36 | | | 91 | 55 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 6 | 5 | | = 11 |
| % | | | | | 55 | 45 | | |
| M freq | | | | 3 | 5 | 3 | | = 11 |
| % | | | | 27 | 45 | 27 | | |
| L freq | | | | 1 | 9 | 1 | | = 11 |
| % | | | | 9 | 82 | 9 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 10 | |
| % | | | | | | | 9 | 91 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 1 | | | | 1 | 1 | 1 |
| % | 91 | | 9 | | | | 9 | 9 | 9 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 4 | 3 | 4 | 2 | | | | | | | |
| | 2 | 6 | 7 | 6 | 8 | 9 | 3 | | | 1 | | 1 |
| | 3 | 1 | 1 | 1 | 1 | 2 | 7 | 7 | 7 | 7 | | 2 |
| | 4 | | | | | | 1 | 4 | 4 | 3 | 2 | 5 |
| | 5 | | | | | | | | | | 9 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 36 | 27 | 36 | 18 | | | | | | | |
| | 2 | 55 | 64 | 55 | 73 | 82 | 27 | | | 9 | | 9 |
| | 3 | 9 | 9 | 9 | 9 | 18 | 64 | 64 | 64 | 64 | | 18 |
| | 4 | | | | | | 9 | 36 | 36 | 27 | 18 | 45 |
| | 5 | | | | | | | | | | 82 | 27 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16390205 | 19061010 | Biomedical engineer | ( 10)21900<br>( 10)10022099 | ( 1)020201<br>( 11)BLANK | 665<br>8 | 11112233353<br>DMT | S456<br>I |
| 16390208 | 19061018 | Optical engineer | ( 10)21900<br>( 10)10022099 | ( 2)050107<br>( 11)BLANK | 655<br>8 | 22212244455<br>DJMT | S5<br>I |
| 16390211 | 19061022 | Ordnance engineer | ( 10)21900<br>( 10)10022099 | ( 3)050108<br>( 11)BLANK | 665<br>8 | 12122333354<br>DPMT | L456<br>I56 |
| 16390214 | 19081010 | Maintainability engineer | ( 10)21900<br>( 10)10022099 | ( 3)050108<br>( 11)BLANK | 545<br>8 | 22222333354<br>DMTV | S56<br>I |
| 16390217 | 19081014 | Photographic engineer | ( 10)21900<br>( 10)10022099 | ( 2)050107<br>( 11)BLANK | 544<br>8 | 22222233352<br>VDJT | L46<br>I |
| 16390220 | 19081018 | Pollution-control engineer | ( 10)21900<br>( 10)10022099 | ( 1)050102<br>( 11)BLANK | 666<br>8 | 11122444254<br>DMTV | L46<br>B7 |
| 16390223 | 19081022 | Reliability engineer | ( 10)21900<br>( 10)10022099 | ( 1)050104<br>( 11)BLANK | 655<br>8 | 11122333354<br>DMTV | S456<br>I |
| 16390226 | 19161010 | Supervisor, estimator and drafter | ( 1)55B29<br>( 1)50040003 | ( 1)050302<br>( 11)BLANK | 555<br>8 | 22222344444<br>VDPMT | S456<br>I |
| 16390229 | 19167010 | Logistics engineer | ( 10)21900<br>( 10)10022099 | ( 1)050106<br>( 11)BLANK | 555<br>8 | 22233344455<br>DMTV | S56<br>I |
| 16390232 | 19167014 | Project engineer | ( 10)21900<br>( 10)10022099 | ( 3)050108<br>( 11)BLANK | 555<br>8 | 22223333345<br>DMP | S456<br>I |
| 16390235 | 19187010 | Packaging engineer | ( 10)21900<br>( 10)10022099 | ( 1)050309<br>( 11)BLANK | 545<br>7 | 33322333353<br>DMPT | S456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 1643 LAND SURVEYORS

**LAND SURVEYORS** establish official land boundaries and help determine the value of plots of land. They research deeds, write legal descriptions of land, measure plots of land, and collect information for maps and charts. Some head survey parties. They are responsible for a party's activities and the accuracy of its work. They plan the fieldwork, select survey reference points, determine the exact location of land features, prepare survey reports, select survey staff, prepare budgets, and buy survey equipment and supplies.

CODING TABLES                    Total count =  2

```
---------------------------------------------------
PHY      S   L   M   H   V
freq         2
%          100


PHY      2   3   4   5   6
freq     1       2   2   2
%       50     100 100 100
---------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     2       1   1   2               1
%      100      50  50 100              50
---------------------------------------------------
                 attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   2            =  2
   %                    100
 M freq                   2            =  2
   %                    100
 L freq               2                =  2
   %                100

---------------------------------------------------

 Unique   DOT                      DOT
 Code     Code                     Title

16430205  18167018  Land surveyor

16430208  18167022  Manager, land surveying
```

```
------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             1   1
%                               50  50
------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1   1
%       50  50
------------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2  2   1   2   2   2
      3      1               2   2   2   2   2   2
      4
      5
                       percent
range 1
      2 100  50 100 100 100
      3      50             100 100 100 100 100 100
      4
      5
------------------------------------------------------
DES Survey     GOE            GED  Aptitudes    Phy. Dem
over           over           over over         over
OES Matrix     USOE           SVP  Temperaments Env. Cond

(  1)32008     (  1)050301    554  23222333333  L2456
(  1)10081600  (  2)BLANK     7    DMT          0

(  1)19000     (  1)050206    554  22222333333  L456
(  1)20061699  (  2)BLANK     8    DIJM         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1644 CARTOGRAPHERS

**CARTOGRAPHERS** plan surveys and gather and interpret information used to design and make maps. They study photographs and other information from surveys to compute the measurements of land areas. They may direct one or more phases of survey operations. These phases include: proposal writing, scheduling activities, conducting surveys, and training and assigning workers. Some **CARTOGRAPHERS** do research to develop new map-making techniques.

### CODING TABLES

Total count = 1

```
------------------------------------------------------------
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq             1
%              100
------------------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq                 1   1                   1
%                  100 100                 100
------------------------------------------------------------
                 attributes
    GED    1   2   3   4   5   6   7   freq
  R freq               1                = 1
     %               100
  M freq           1                    = 1
     %           100
  L freq           1                    = 1
     %           100

------------------------------------------------------------

 Unique  DOT                   DOT
 Code    Code                  Title

16440205  18262010  Field-map editor
```

```
------------------------------------------------------------
  SVP      1   2   3   4   5   6   7   8   9
  freq                         1
  %                          100
------------------------------------------------------------
  ENV      I   O   B   2   3   4   5   6   7
  freq             1
  %              100
------------------------------------------------------------
  APT      G   V   N   S   P   Q   K   F   M   E   C
                           frequency
range 1
      2    1       1   1   1
      3        1               1
      4                    1       1   1       1
      5                                    1
                            percent
range 1
      2  100     100 100 100
      3      100             100
      4                  100     100 100     100
      5                                  100

------------------------------------------------------------
OES Survey      GOE            GED  Aptitudes    Phy. Dem
over            over           over over         over
OES Matrix      USOE           SVP  Temperaments Env. Cond

(  1)32008      (  1)050302    433  23222434454  L4
(  1)10081600   (  1)16010600  6    VJM          B
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

### 1649 SURVEYORS AND MAPPING SCIENTISTS, N.E.C.

These workers survey land and underwater areas to compile information used for mapping oil or mineral deposits or for building structures. They use surveying instruments to locate and compute the dimensions of land formations. They determine and record information, such as the exact elevation of land areas. Some specialize in locating and marking land formations on maps. They also may spend much of their time in an office, planning surveys, preparing reports and computations, and drawing maps.

CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 5 | 1 | | |
| % | 14 | 71 | 14 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 6 | 5 | 6 |
| % | | | 86 | 71 | 86 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | | 1 | 7 | 2 | | | 7 | 5 |
| % | 100 | | | 14 | 100 | 29 | | | 100 | 71 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 5 | 2 | | = 7 |
| % | | | | | 71 | 29 | | |
| M freq | | | | 2 | 3 | 2 | | = 7 |
| % | | | | 29 | 43 | 29 | | |
| L freq | | | | 5 | 1 | 1 | | = 7 |
| % | | | | 71 | 14 | 14 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 3 | 3 | |
| % | | | | | | 14 | 43 | 43 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | 2 | 3 | | | | | | |
| % | 29 | 29 | 43 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | |
| | 2 | 6 | 2 | 5 | 6 | 5 | 2 | | | | | |
| | 3 | | 4 | 1 | | 1 | 5 | 6 | 6 | 6 | 1 | 2 |
| | 4 | | | | | | | 1 | 1 | 1 | 4 | 4 |
| | 5 | | | | | | | | | | 2 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 14 | 14 | 14 | 14 | 14 | | | | | | |
| | 2 | 86 | 29 | 71 | 86 | 71 | 29 | | | | | |
| | 3 | | 57 | 14 | | 14 | 71 | 86 | 86 | 86 | 14 | 29 |
| | 4 | | | | | | | 14 | 14 | 14 | 57 | 57 |
| | 5 | | | | | | | | | | 29 | 14 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 16490205 | 18167026 | Photogrammetric engineer | ( 5)32008<br>( 5)10081600 | ( 6)050301<br>( 7)BLANK | 665<br>8 | 22211233353<br>VDPMT | S456<br>I |
| 16490208 | 18167038 | Surveyor, geodetic | ( 5)32008<br>( 5)10081600 | ( 6)050301<br>( 7)BLANK | 554<br>7 | 23222233344<br>VDMT | L456<br>B |
| 16490211 | 18167042 | Surveyor, geophysical prospecting | ( 5)32008<br>( 5)10081600 | ( 6)050301<br>( 7)BLANK | 544<br>6 | 23222333344<br>VDMT | L46<br>O |
| 16490214 | 18167046 | Surveyor, marine | ( 5)32008<br>( 5)10081600 | ( 6)050301<br>( 7)BLANK | 554<br>7 | 23222333333<br>DMT | M456<br>O |
| 16490217 | 18167050 | Surveyor, mine | ( 5)32008<br>( 5)10081600 | ( 6)050301<br>( 7)BLANK | 554<br>7 | 22222333345<br>DMT | L456<br>B |
| 16490220 | 24061014 | Geodesist | ( 1)22202<br>( 1)10041000 | ( [illegible])020101<br>( 7)BLANK | 666<br>8 | 11123333344<br>VDJMT | L46<br>B |
| 16490223 | 184167026 | Director, photogrammetry flight operations | ( 1)19000<br>( 1)20061699 | ( 6)050301<br>( 7)BLANK | 544<br>8 | 23322344454<br>VDPMT | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1712 COMPUTER SYSTEMS ANALYSTS

COMPUTER SYSTEMS ANALYSTS plan ways to use computers to solve scientific, engineering, and business problems. They determine what data must be collected, the equipment needed for computations, and the steps to be followed in processing the information. Once a computer system has been developed, they prepare charts and diagrams that describe its operation. They also may prepare reports to help clients understand the proposed systems.

### CODING TABLES

Total count =   1

```
----------------------------------------------------
PHY       S   L   M   H   V
freq      1
%       100


PHY       2   3   4   5   6
freq                  1   1
%                   100 100
----------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq                      1   1
%                       100 100
----------------------------------------------------
                  attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   1            =  1
   %                    100
 M freq                   1            =  1
   %                    100
 L freq                   1            =  1
   %                    100

----------------------------------------------------
```

```
----------------------------------------------------
SVP       1   2   3   4   5   6   7   8   9
freq                              1
%                               100
----------------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq      1
%       100
----------------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2   1   1   1
      3               1   1   1
      4                           1   1   1   1
      5                                           1
                      percent
range 1
      2 100 100 100
      3             100 100 100
      4                         100 100 100 100
      5                                         100

----------------------------------------------------
```

```
                                                     OES Survey    GOE            GED  Aptitudes    Phy. Dem
 Unique   DOT                 DOT                    over          over           over over         over
 Code     Code                Title                  OES Matrix    USOE           SVP  Temperaments Env. Cond

17120205  12167066  Systems analyst, electronic      (  1)24000    (  1)110101    555  22233344445  S56
                    data processing                  (  1)10160400 (  1)14020400 7    MP           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1719 COMPUTER SCIENTISTS, N.E.C.

These SCIENTISTS use computers to analyze and solve business, scientific, engineering, and other technical problems. They design information systems and plan ways to collect, organize, store, and retrieve (get back) information using computers. They also prepare charts, diagrams, and instructions for computers and computer operators to follow.

CODING TABLES                                        Total count =   1

```
------------------------------------------------------
PHY       S   L   M   H   V
freq      1
%       100


PHY       2   3   4   5   6
freq                      1
%                       100
------------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq      1               1               1
%       100             100             100
------------------------------------------------------
                  attributes
    GED     1   2   3   4   5   6   7   free
  R freq                    1           =  1
      %                   100
  M freq                    1           =  1
      %                   100
  L freq                    1           =  1
      %                   100

------------------------------------------------------

 Unique   DOT                  DOT
 Code     Code                 Title

17190205 109067010  Information scientist
```

```
-------------------------------------------------------
SVP       1   2   3   4   5   6   7   8   9
freq                              1
%                               100
-------------------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq      1
%       100
-------------------------------------------------------
APT           G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1               1
      2       1   1       1
      3
      4                   1   1   1   1   1
      5                                       1   1
                          percent
range 1             100
      2     100 100     100
      3
      4                 100 100 100 100 100
      5                                     100 100

-------------------------------------------------------
DES Survey     GOE           GED  Aptitudes      Phy. Dem
over           over          over over           over
DES Matrix     USDE          SVP  Temperaments   Env. Cond

(  1)24000     (  1)110101   555  22124444455    S6
(  1)10160400  (  1)BLANK    7    DMT            I
```

104

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1721 OPERATIONS RESEARCHERS AND ANALYSTS

These people study problems that affect the ways businesses or other organizations are managed and operated. They try to find ways to solve problems using computers, models, and other methods. For example, they may develop math models, flow charts, and computer programs that can be used in planning and controlling large projects. They do research to find out which models and programs work best in a given situation. They prepare reports for managers that define operational problems and offer possible solutions.

### CODING TABLES

Total count = 1

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 1 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 1 | | | | | 1 |
| % | | | | 100 | 100 | | | | | 100 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 1 | | = 1 |
| % | | | | | | 100 | | |
| M freq | | | | | | 1 | | = 1 |
| % | | | | | | 100 | | |
| L freq | | | | | | 1 | | = 1 |
| % | | | | | | 100 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | 1 | 1 | 1 | | | | | | | | |
| 2 | | | | 1 | | | | | | | |
| 3 | | | | | 1 | 1 | | | | | |
| 4 | | | | | | | 1 | 1 | 1 | 1 | |
| 5 | | | | | | | | | | | 1 |
| | | | | | percent | | | | | | |
| range 1 | 100 | 100 | 100 | | | | | | | | |
| 2 | | | | 100 | | | | | | | |
| 3 | | | | | 100 | 100 | | | | | |
| 4 | | | | | | | 100 | 100 | 100 | 100 | |
| 5 | | | | | | | | | | | 100 |

| Unique Code | DOT Code | DOT Title |
|---|---|---|
| 17210205 | 20067018 | Operations-research analyst |

| OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|
| ( 1)29000 | ( 1)110101 | 666 | 11123344445 | S5 |
| ( 1)10243899 | ( 1)BLANK | 7 | VJM | I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 1732 ACTUARIES

**ACTUARIES** use their knowledge of math, statistics, and business to help insurance companies and pension programs set their rates. They try to determine how likely incidences of death, sickness, unemployment, and property loss will be among various groups of people. They then determine the amounts of premuims (payments for policies) which will be needed from people to ensure that companies can pay all claims and expenses.

CODING TABLES

Total count = 1

```
------------------------------------------------------
PHY       S  L  M  H  V
freq      1
%       100


PHY       2  3  4  5  6
freq                  1
%                   100
------------------------------------------------------
TEMP      D  F  I  J  M  P  R  S  T  V
freq      1           1           1
%       100         100         100
------------------------------------------------------
              attributes
   GED    1  2  3  4  5  6  7  free
 R freq               1          = 1
   %                100
 M freq               1          = 1
   %                100
 L freq               1          = 1
   %                100

------------------------------------------------------
```

```
------------------------------------------------------
SVP     1   2   3   4   5   6   7   8   9
freq                                1
%                                 100
------------------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
freq    1
%     100
------------------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1           1           1
      2   1   1
      3                   1
      4               1           1   1   1
      5                                       1   1
                       percent
range 1         100         100
      2 100 100
      3                 100
      4             100         100 100 100
      5                                     100 100
------------------------------------------------------
```

```
Unique    DOT                       DOT
Code      Code                      Title

17320205  20167010  Actuary
```

```
OES Survey       GOE           GED  Aptitudes    Phy. Dem
over             over          over over         over
OES Matrix       USOE          SVP  Temperments  Env. Cond

(  1)22101       (  1)110102   555  22143144455  S6
(  1)10060200    (  1)BLANK    8    DMT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 1733 STATISTICIANS

STATISTICIANS use math to design, carry out, and evaluate the results of experiments, surveys and opinion polls. They also use math to determine what might happen in the future. They often apply their knowledge in a certain subject area, such as economics, human behavior, natural science, or engineering. Some STATISTICIANS use math theories to design and improve statistical methods. Others teach or do consulting work.

CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 1 | 2 |
| % | | | 67 | 33 | 67 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 3 | 3 | | | | 2 | |
| % | 33 | | | 100 | 100 | | | | 67 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| M freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| L freq | | | | 2 | | 1 | | = 3 |
| % | | | | 67 | | 33 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 1 | |
| % | | | | | | | 67 | 33 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 2 | 2 | 1 | | | | | | | |
| | 2 | 1 | 1 | 1 | | 2 | 2 | | | | | |
| | 3 | | | | 1 | | 1 | | | | | |
| | 4 | | | | 1 | 1 | | 3 | 3 | 3 | | |
| | 5 | | | | | | | | | | 3 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 67 | 67 | 67 | 33 | | | | | | | |
| | 2 | 33 | 33 | 33 | | 67 | 67 | | | | | |
| | 3 | | | | 33 | | 33 | | | | | |
| | 4 | | | | 33 | 33 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 17330205 | 20067022 | Statistician, mathematical | ( 1)22103<br>( 1)10060402 | ( 1)110101<br>( 3)BLANK | 666<br>8 | 11112344455<br>DJMT | S6<br>I |
| 17330208 | 20167014 | Financial analyst | ( 1)22102<br>( 1)10130201 | ( 2)110102<br>( 3)BLANK | 554<br>7 | 22244244455<br>JMT | S46<br>I |
| 17330211 | 20167026 | Statistician, applied | ( 1)22104<br>( 1)10060600 | ( 2)110102<br>( 3)BLANK | 554<br>7 | 11132244455<br>JM | S45<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 1739 MATHEMATICAL SCIENTISTS, N.E.C.

These SCIENTISTS conduct research in basic math and use math to solve problems in science, industry, and other fields. They study and test theories used to explain facts or events, and look for new uses of algebra, geometry, and other branches of math. They use calculators and computers, and prepare graphs, charts, and reports. Some look for ways to use math in fields such as military planning or electronic data processing. Some teach and do research at a college or university. Many also do consulting work.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | 1 | | |
| % | 67 | | 33 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 1 | 2 |
| % | | | 67 | 33 | 67 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 1 | | 2 | 3 | | | | 2 | 1 |
| % | 33 | 33 | | 67 | 100 | | | | 67 | 33 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| M freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |
| L freq | | | | | 2 | 1 | | = 3 |
| % | | | | | 67 | 33 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 2 | |
| % | | | | | | | 33 | 67 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | 1 | | | | | | | |
| | 2 | 2 | 2 | 2 | | 1 | 1 | | | | | |
| | 3 | | | | 2 | | 1 | | | 1 | | |
| | 4 | | | | | 2 | 1 | 3 | 3 | 2 | | 1 |
| | 5 | | | | | | | | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 33 | 33 | 33 | 33 | | | | | | | |
| | 2 | 67 | 67 | 67 | | 33 | 33 | | | | | |
| | 3 | | | | 67 | | 33 | | | 33 | | |
| | 4 | | | | | 67 | 33 | 100 | 100 | 67 | | 33 |
| | 5 | | | | | | | | | | 100 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 17390205 | 20067014 | Mathematician | ( 1)22103<br>( 1)10060402 | ( 1)020101<br>( 2)BLANK | 666<br>8 | 12114444455<br>DJMT | S46<br>I |
| 17390208 | 20187018 | Weight analyst | ( 1)22199<br>( 1)10060403 | ( 1)070203<br>( 1)16010100 | 555<br>7 | 22234244355<br>MT | M4<br>I |
| 17390209 | 199267014 | Cryptanalyst | ( 1)39000<br>( 1)10141404 | ( 1)110804<br>( 2)BLANK | 555<br>8 | 21232344454<br>VJMF | S56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 1842 ASTRONOMERS

**ASTRONOMERS** study outer space to find scientific answers to questions about the nature of the universe. They observe the skies through large telescopes and use spectroscopes to study light from stars. They also study radio waves, x-rays, and cosmic rays. Some use math and physics to form theories and math models to explain the growth and development of space bodies. Most do research or teach. Some design astronomical instruments or do consulting work.

### CODING TABLES

Total count = 1

```
------------------------------------------   ------------------------------------------
PHY     S   L   M   H   V                     SVP     1   2   3   4   5   6   7   8   9
freq        1                                 freq                                1
%         100                                 %                                 100
                                              ------------------------------------------
                                              ENV     I   O   B   2   3   4   5   6   7
PHY     2   3   4   5   6                     freq    1
freq                    1                     %     100
%                     100                     ------------------------------------------
------------------------------------------    APT     G   V   N   S   P   Q   K   F   M   E   C
TEMP    D   F   I   J   M   P   R   S   T   V                     frequency
freq                1   1           1         range 1 1   1   1   1       1
%                 100 100         100               2
------------------------------------------          3                 1       1   1           1
           attributes                               4                                 1
   GED   1   2   3   4   5   6   7   free           5                                     1
 R freq                      1       = 1                              percent
   %                       100                range 1 100 100 100 100     100
 M freq                      1       = 1            2
   %                       100                      3                100     100 100         100
 L freq                      1       = 1            4                                100
   %                       100                      5                                    100
------------------------------------------   ------------------------------------------

 Unique  DOT                   DOT            DES Survey    GOE          GED  Aptitudes    Phy. Dem
 Code    Code                  Title          over          over         over over         over
                                              DES Matrix    USOE         SVP  Temperaments Env. Cond

18420205  21067010  Astronomer                (  1)22299    (  1)020101  666  11113133453  L6
                                              (  1)10041600 (  1)BLANK   8    JMT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

### 1843 PHYSICISTS

PHYSICISTS use the principles, laws, and theories of matter and energy to help solve problems in science, industry, medicine, and other fields. Some do basic research to increase scientific knowledge. For example, they look into the structures of the atom and the nature of gravity. Others do research to help develop new products and processes. Many teach and do research in colleges and universities. A few work in inspection, quality control, and other jobs in industry. Some do consulting work.

```
                              CODING TABLES                       Total count =   5
----------------------------------------------------    ----------------------------------------------------
PHY      S   L   M   H   V                               SVP      1   2   3   4   5   6   7   8   9
freq     3   2                                           freq                                  5
%       60  40                                           %                                   100
                                                         ----------------------------------------------------
                                                         ENV      I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                               freq     5                            1
freq             4   2   4                               %      100                           20
%               80  40  80                               ----------------------------------------------------
----------------------------------------------------     APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                                frequency
freq     3           2   5   2           3   1           range 1  5   5   3   3   2
%       60          40 100  40          60  20                 2              2   2   1   1                   1
----------------------------------------------------           3                      2   1   1   1
                  attributes                                   4                  2   2   4   4   4   1   2
   GED    1   2   3   4   5   6   7   freq                     5                                      4   2
 R freq                       5       =  5                                       percent
   %                        100                          range 1 100 100  60  60  40
 M freq                   1   4       =  5                     2          40  40  20  20                  20
   %                     20  80                                3                      40  20  20  20
 L freq                   1   4       =  5                     4                  40  40  80  80  80  20  40
   %                     20  80                                5                                     80  40
----------------------------------------------------    ----------------------------------------------------
                                                         OES Survey      GOE              GED  Aptitudes    Phy. Dem
 Unique   DOT                 DOT                        over            over             over over         over
 Code     Code                Title                      OES Matrix      USOE             SVP  Temperaments Env. Cond

18430205  23061010  Electro-optical engineer             (  5)22205      (  1)050107      666  11112244454  S46
                                                         (  5)10041400   (  5)BLANK       8    DMTV         I

18430208  23061014  Physicist                            (  5)22205      (  2)020101      666  11111333352  L46
                                                         (  5)10041400   (  5)BLANK       8    JMT          I

18430211  23067010  Physicist, theoretical               (  5)22205      (  2)020101      666  11111344445  S4
                                                         (  5)10041400   (  5)BLANK       8    JMT          I

18430214  79021010  Health physicist                     (  5)22205      (  1)050102      655  11224444454  S56
                                                         (  5)10041400   (  5)BLANK       8    DPM          I6

18430217  79021014  Medical physicist                    (  5)22205      (  1)020201      666  11224444455  L456
                                                         (  5)10041400   (  5)BLANK       8    DPM          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

## 1845 CHEMISTS, EXCEPT BIOCHEMISTS

CHEMISTS study substances and materials. They test substances to find out what they are made of and to see how they respond to other substances. They use their knowledge to develop chemical compounds and to improve products and processes. Most CHEMISTS work in research and development. However, some work in other areas such as production and inspection, sales, consulting, and teaching.

### CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 2 | 4 |
| % | | | 50 | 50 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 1 | 2 | 4 | 2 | | | 3 | 2 |
| % | 100 | | 25 | 50 | 100 | 50 | | | 75 | 50 |

| | | | | attributes | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 1 | 3 | | = 4 |
| % | | | | | 25 | 75 | | |
| M freq | | | | | 3 | 1 | | = 4 |
| % | | | | | 75 | 25 | | |
| L freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 2 | |
| % | | | | | | | 50 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 1 | | | | | | |
| % | 75 | | 25 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 2 | 3 | | | | | | | | |
| | 2 | 1 | 2 | 1 | 1 | 2 | 1 | | | | | 1 |
| | 3 | | | | 3 | 2 | 3 | 3 | 3 | 3 | | 3 |
| | 4 | | | | | | | 1 | 1 | 1 | 1 | |
| | 5 | | | | | | | | | | 3 | |
| | | | | | | percent | | | | | | |
| range | 1 | 75 | 50 | 75 | | | | | | | | |
| | 2 | 25 | 50 | 25 | 25 | 50 | 25 | | | | | 25 |
| | 3 | | | | 75 | 50 | 75 | 75 | 75 | 75 | | 75 |
| | 4 | | | | | | | 25 | 25 | 25 | 25 | |
| | 5 | | | | | | | | | | 75 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18450205 | 22061010 | Chemist | ( 4)22201<br>( 4)10040800 | ( 1)020101<br>( 3)BLANK | 665<br>8 | 11122233353<br>DMTV | L46<br>I |
| 18450208 | 22061014 | Chemist, food | ( 4)22201<br>( 4)10040800 | ( 1)020204<br>( 3)BLANK | 655<br>7 | 12132333353<br>DJMT | L46<br>I |
| 18450211 | 22137010 | Laboratory supervisor | ( 4)22201<br>( 4)10040800 | ( 1)020401<br>( 1)14059900 | 555<br>7 | 22233344443<br>VDPMT | L56<br>B |
| 18450214 | 22161010 | Chemical-laboratory chief | ( 4)22201<br>( 4)10040800 | ( 1)020102<br>( 3)BLANK | 655<br>8 | 11133333352<br>DPIJM | L56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1846 ATMOSPHERIC AND SPACE SCIENTISTS

These SCIENTISTS study the atmosphere (the air that surrounds the earth) and the climate in certain areas or regions. Some study current weather information, such as air pressure, temperature, humidity, and wind velocity to predict the weather. They forecast the weather for the next few days and for the distant future. Others do research or teach.

CODING TABLES                                    Total count =   1

```
---------------------------------------------------------
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq                     1
%                      100
---------------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     1           1   1
%      100         100 100
---------------------------------------------------------
                  attributes
   GED    1   2   3   4   5   6   7   free
 R freq                   1             = 1
   %                    100
 M freq                   1             = 1
   %                    100
 L freq                   1             = 1
   %                    100

---------------------------------------------------------

 Unique  DOT                   DOT
 Code    Code                  Title

18460205  25062010  Meteorologist
```

```
-------------------------------------------------------------
SVP      1   2   3   4   5   6   7   B   9
freq                             1
%                              100
-------------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
-------------------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2  1   1   1   1   1   1
      3                                  1
      4                          1   1           1
      5                                      1
                       percent
range 1
      2 100 100 100 100 100 100
      3                                100
      4                        100 100         100
      5                                    100
-------------------------------------------------------------
OES Survey     GOE            GED  Aptitudes    Phy. Dem
over           over           over over         over
OES Matrix     USOE           SVP  Temperaments Env. Cond

(  1)22203     (  1)020101    555  22222244354  L6
(  1)10040400  (  1)BLANK     7    DJM          I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

## 1847 GEOLOGISTS

Geologists study the structure, makeup, and history of the earth's crust. Some study the air and water, gas, and oil supplies within the earth. Others examine surface rocks and drill for rock cores to find how rocks are arranged below the earth's surface. They also identify rocks and minerals, conduct field surveys, draw maps, take measurements, and record data. They help predict earthquakes and find oil and ore deposits. Some GEOLOGISTS teach or do research.

### CODING TABLES

Total count = 13

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 13 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 3 | 3 | 12 | 1 | 12 |
| % | 23 | 23 | 92 | 8 | 92 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | 9 | 13 | 2 | | | 13 | 10 |
| % | 62 | | | 69 | 100 | 15 | | | 100 | 77 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | | 13 | | = 13 |
| % | | | | | | 100 | | |
| M freq | | | | | 2 | 11 | | = 13 |
| % | | | | | 15 | 85 | | |
| L freq | | | | | 4 | 9 | | = 13 |
| % | | | | | 31 | 69 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 11 | 1 |
| % | | | | | | | 8 | 85 | 8 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | 11 | 1 | 1 | 1 | | | 1 |
| % | 15 | | 85 | 8 | 8 | 8 | | | 8 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 13 | 13 | 8 | 3 | | | | | | | |
| | 2 | | | 4 | 10 | 5 | | | | | | |
| | 3 | | | 1 | | 8 | 12 | 11 | 10 | 11 | 1 | 9 |
| | 4 | | | | | | 1 | 2 | 3 | 2 | 9 | 2 |
| | 5 | | | | | | | | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 100 | 100 | 62 | 23 | | | | | | | |
| | 2 | | | 31 | 77 | 38 | | | | | | |
| | 3 | | | 8 | | 62 | 92 | 85 | 77 | 85 | 8 | 69 |
| | 4 | | | | | | 8 | 15 | 23 | 15 | 69 | 15 |
| | 5 | | | | | | | | | | 23 | 15 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18470205 | 24061010 | Crystallographer | ( 13)22202<br>( 13)10041000 | ( 3)020102<br>( 13)BLANK | 666<br>8 | 11123333353<br>JMTV | L46<br>I |
| 18470208 | 24061018 | Geologist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 666<br>8 | 11122334343<br>VJMT | L2346<br>B |
| 18470211 | 24061022 | Geologist, petroleum | ( 13)22202<br>( 13)10041000 | ( 3)020102<br>( 13)BLANK | 665<br>8 | 11212343455<br>VPJMT | L2346<br>B2347 |
| 18470214 | 24061026 | Geophysical prospector | ( 13)22202<br>( 13)10041000 | ( 3)020102<br>( 13)BLANK | 666<br>8 | 11123333343<br>VDJMT | L46<br>B |
| 18470217 | 24061030 | Geophysicist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 655<br>8 | 11122334344<br>VDJMT | L46<br>B |
| 18470220 | 24061034 | Hydrologist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 666<br>8 | 11123333344<br>VDJMT | L46<br>B |
| 18470223 | 24061038 | Mineralogist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 666<br>8 | 11223333343<br>DJMT | L46<br>B |
| 18470226 | 24061042 | Paleontologist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 666<br>8 | 11312333343<br>VMT | L2346<br>B |
| 18470229 | 24061046 | Petrologist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 665<br>8 | 11223333343<br>DJMT | L46<br>B |
| 18470232 | 24061050 | Seismologist | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 666<br>8 | 11123333343<br>VDMT | L46<br>B |
| 18470235 | 24061054 | Stratigrapher | ( 13)22202<br>( 13)10041000 | ( 8)020101<br>( 13)BLANK | 665<br>8 | 11223333343<br>JMT | L46<br>B |
| 18470238 | 24161010 | Engineer, soils | ( 13)22202<br>( 13)10041000 | ( 1)050108<br>( 13)BLANK | 656<br>7 | 11123333333<br>VDMT | L46<br>B |

```
18470241  24167010  Geophysical-laboratory chief              ( 13)22202      (  1)020401   666  11112444455  L5
                                                               ( 13)10041000  ( 13)BLANK    9    VDPNT        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

### 1849 PHYSICAL SCIENTISTS, N.E.C.

These workers study the nature and uses of different areas of the earth. They collect information to determine social and natural boundaries, prepare maps, and plan ways to use regions efficiently. They also may do research to find materials that might benefit science and industry, or ways to control and prevent pollution. Many teach and conduct research at a college or university. Many work as consultants. These workers prepare and interpret maps, and diagrams, write reports, and may use complex instruments and equipment.

CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 4 | | | |
| % | 20 | 80 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 5 | 2 | 4 |
| % | | | 100 | 40 | 80 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | 4 | 5 | 1 | | | 1 | 4 |
| % | 80 | | | 80 | 100 | 20 | | | 20 | 80 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 1 | 4 | | = 5 |
| % | | | | | 20 | 80 | | |
| M freq | | | | | 1 | 4 | | = 5 |
| % | | | | | 20 | 80 | | |
| L freq | | | | | 2 | 3 | | = 5 |
| % | | | | | 40 | 60 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 3 | 2 | |
| % | | | | | | | 60 | 40 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 2 | 1 | 1 | 1 | | | 1 |
| % | 60 | | 40 | 20 | 20 | 20 | | | 20 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 4 | 4 | 2 | 1 | 1 | | | | | | |
| | 2 | 1 | 1 | 3 | 1 | 1 | 1 | | | | | |
| | 3 | | | | 3 | 3 | 2 | 2 | 2 | 2 | | 2 |
| | 4 | | | | | | 2 | 3 | 3 | 3 | 3 | 2 |
| | 5 | | | | | | | | | | 2 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 80 | 80 | 40 | 20 | 20 | | | | | | |
| | 2 | 20 | 20 | 60 | 20 | 20 | 20 | | | | | |
| | 3 | | | | 60 | 60 | 40 | 40 | 40 | 40 | | 40 |
| | 4 | | | | | | 40 | 60 | 60 | 60 | 60 | 40 |
| | 5 | | | | | | | | | | 40 | 20 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18490205 | 29067010 | Geographer | ( 5)22299<br>( 5)10041600 | ( 2)020101<br>( 5)BLANK | 666<br>7 | 11233444454<br>VDJM | L456<br>B2347 |
| 18490208 | 29067014 | Geographer, physical | ( 5)22299<br>( 5)10041600 | ( 2)020101<br>( 5)BLANK | 666<br>7 | 11233444443<br>VDJM | L46<br>B |
| 18490211 | 29081010 | Environmental analyst | ( 5)22299<br>( 5)10041600 | ( 3)020102<br>( 5)BLANK | 666<br>8 | 11122333344<br>DMT | L4<br>I |
| 18490214 | 29081014 | Materials scientist | ( 5)22299<br>( 5)10041600 | ( 3)020102<br>( 5)BLANK | 665<br>7 | 11111233343<br>JMV | S46<br>I |
| 18490217 | 29167014 | Project manager, environmental research | ( 5)22299<br>( 5)10041600 | ( 3)020102<br>( 5)BLANK | 555<br>8 | 22233344455<br>[illegible]NPV | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

## 1852 FORESTRY AND CONSERVATION SCIENTISTS

7 Associated DOT Titles

These SCIENTISTS are concerned with the development, preservation, and use of forest resources. They study forest conditions and plan ways to ensure that forest resources meet present and future public needs. They develop ways to protect resources against fire, insects, diseases, floods, and erosion. They do research to discover scientific principles and facts needed for good forest management. They also seek to develop new and better methods and tools for conserving resources. Many of these workers spend a good deal of time working directly with farmers, ranchers, and other land managers in developing conservation programs. Some teach at colleges or univerities.

CODING TABLES Total count = 7

```
----------------------------------------------------
PHY      S   L   M   H   V
freq         6   1
%           86  14


PHY      2   3   4   5   6
freq             5   3   7
%               71  43 100
----------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     6           3   5   3           4   3
%       86          43  71  43          57  43
----------------------------------------------------
                   attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                    3   4         = 7
   %                      43  57
 M freq                1   3   3         = 7
   %                  14  43  43
 L freq                    4   3         = 7
   %                      57  43
----------------------------------------------------
```

```
--------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             2   5
%                               29  71
--------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1       6
%       14      86
--------------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1    6   6
      2    1   1   5   3   3   1       1   1
      3            1   4   4   1   4   4   5   1   1
      4            1               5   3   2   1   2   6
      5                                            4
                          percent
range 1   86  86
      2   14  14  71  43  43  14      14  14
      3           14  57  57  14  57  57  71  14  14
      4           14              71  43  29  14  29  86
      5                                           57
--------------------------------------------------------
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18520205 | 40061030 | Forest ecologist | ( 6)22308<br>( 6)10241600 | ( 5)020202<br>( 6)BLANK | 666<br>8 | 11233443354<br>DMT | L46<br>B |
| 18520208 | 40061034 | Forester | ( 6)22308<br>( 6)10241600 | ( 1)030104<br>( 6)BLANK | 555<br>8 | 11333444434<br>VDP | L56<br>B |
| 18520211 | 40061046 | Range manager | ( 6)22308<br>( 6)10241600 | ( 5)020202<br>( 6)BLANK | 666<br>8 | 11222333344<br>VJMT | L456<br>B |
| 18520214 | 40061050 | Silviculturist | ( 6)22308<br>( 6)10241600 | ( 5)020202<br>( 6)BLANK | 555<br>7 | 11233432254<br>DMT | L46<br>B |
| 18520217 | 40061054 | Soil conservationist | ( 6)22308<br>( 6)10241600 | ( 5)020202<br>( 1)01060300 | 666<br>8 | 11222433354<br>DPJM | L6<br>B |
| 18520220 | 40061062 | Wood technologist | ( 6)22308<br>( 6)10241600 | ( 5)020202<br>( 6)BLANK | 655<br>8 | 11233443344<br>DMT | L46<br>I |
| 18520223 | 49127010 | Park naturalist | ( 1)29000<br>( 1)10243899 | ( 1)110703<br>( 6)BLANK | 545<br>7 | 22422234333<br>DJPV | M456<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

### 1853 AGRICULTURAL AND FOOD SCIENTISTS

These SCIENTISTS study ways to produce foods, fibers, and other farm products. They also look for new and better ways to manage and protect these natural resources. Many do research in labs to increase our knowledge of living things and to apply this knowledge to increase crop yields. Some do research on the breeding, feeding, and diseases of farm animals. Others concern themselves with insect control and soil management.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 10 | 1 | | |
| % | | 91 | 9 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 11 | | 11 |
| % | | 9 | 100 | | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | 1 | 11 | | | | 10 | 3 |
| % | 91 | | | 9 | 100 | | | | 91 | 27 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 11 | | = 11 |
| % | | | | | | 100 | | |
| M freq | | | | | 1 | 10 | | = 11 |
| % | | | | | 9 | 91 | | |
| L freq | | | | 1 | | 10 | | = 11 |
| % | | | | 9 | | 91 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 10 | |
| % | | | | | | | 9 | 91 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 7 | | | | | | |
| % | 36 | | 64 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 11 | 10 | | 1 | 1 | | | | | | |
| | 2 | | 1 | 11 | 4 | 4 | 1 | 1 | 4 | 3 | | |
| | 3 | | | | 5 | 5 | 6 | 6 | 7 | 6 | | 3 |
| | 4 | | | | 1 | 1 | 4 | 4 | | 2 | 4 | 6 |
| | 5 | | | | | | | | | | 7 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | 100 | 91 | | 9 | 9 | | | | | | |
| | 2 | | 9 | 100 | 36 | 36 | 9 | 9 | 36 | 27 | | |
| | 3 | | | | 45 | 45 | 55 | 55 | 64 | 55 | | 27 |
| | 4 | | | | 9 | 9 | 36 | 36 | | 18 | 36 | 55 |
| | 5 | | | | | | | | | | 64 | 18 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18530205 | 40061010 | Agronomist | ( 9)22301<br>( 9)10040200 | ( 4)020202<br>( 11)BLANK | 666<br>8 | 11244343344<br>DJM | L46<br>B |
| 18530208 | 40061014 | Animal scientist | ( 9)22301<br>( 9)10040200 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11222332254<br>VDMT | M46<br>B |
| 18530211 | 40061018 | Dairy scientist | ( 9)22301<br>( 9)10040200 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11233422245<br>DMT | L46<br>I |
| 18530214 | 40061038 | Horticulturist | ( 9)22301<br>( 9)10040200 | ( 4)020202<br>( 11)BLANK | 666<br>8 | 11233343354<br>DMT | L346<br>B |
| 18530217 | 40061042 | Poultry scientist | ( 9)22301<br>( 9)10040200 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11222333354<br>DMT | L46<br>B |
| 18530220 | 40061058 | Soil scientist | ( 9)22301<br>( 9)10040200 | ( 4)020202<br>( 11)BLANK | 666<br>8 | 11233443353<br>DMT | L46<br>B |
| 18530223 | 41061014 | Animal breeder | ( 9)22301<br>( 9)10040200 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11233433445<br>VDMT | L46<br>I |
| 18530226 | 41061018 | Apiculturist | ( 9)22301<br>( 9)10040200 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11211332243<br>DMT | L46<br>B |
| 18530229 | 41061046 | Entomologist | ( 1)22302<br>( 1)10040601 | ( 6)020201<br>( 11)BLANK | 666<br>8 | 11222343354<br>DMT | L46<br>B |
| 18530232 | 41061082 | Plant breeder | ( 9)22301<br>( 9)10040200 | ( 4)020202<br>( 11)BLANK | 666<br>8 | 11233433454<br>DMT | L46<br>I |
| 18530235 | 41081010 | Food technologist | ( 1)22399<br>( 1)10041600 | ( 1)020204<br>( 11)BLANK | 654<br>7 | 12222232353<br>MTV | L46<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

## 1854 BIOLOGICAL SCIENTISTS

**BIOLOGICAL SCIENTISTS** study living things. Many are involved in research and development. They conduct research to gain information about living things that can be used to solve problems in medicine, industry, and agriculture. They often use complex research techniques and lab equipment to do their work. Others do consulting work, teach, write for technical journals, or test and inspect foods, drugs and other products.

### CODING TABLES

Total count = 13

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 12 | | | |
| % | 8 | 92 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 2 | 13 | | 13 |
| % | 8 | 15 | 100 | | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | | | 4 | 13 | | | | 11 | 3 |
| % | 69 | | | 31 | 100 | | | | 85 | 23 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 13 | | = 13 |
| % | | | | | | 100 | | |
| M freq | | | | | | 13 | | = 13 |
| % | | | | | | 100 | | |
| L freq | | | | | | 13 | | = 13 |
| % | | | | | | 100 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 13 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 6 | | | | | | |
| % | 54 | | 46 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 13 | 10 | 6 | 7 | 4 | | | | | | |
| | 2 | | 3 | 7 | 5 | 8 | 1 | 2 | 4 | 3 | | 2 |
| | 3 | | | | 1 | 1 | 10 | 7 | 9 | 9 | | 8 |
| | 4 | | | | | | 2 | 4 | | 1 | 5 | 2 |
| | 5 | | | | | | | | | | 8 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 100 | 77 | 46 | 54 | 31 | | | | | | |
| | 2 | | 23 | 54 | 38 | 62 | 8 | 15 | 31 | 23 | | 15 |
| | 3 | | | | 8 | 8 | 77 | 54 | 69 | 69 | | 62 |
| | 4 | | | | | | 15 | 31 | | 8 | 38 | 15 |
| | 5 | | | | | | | | | | 62 | 8 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18540205 | 41061022 | Aquatic biologist | ( 10)22302<br>( 10)10040601 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 12112333343<br>VDMT | L46<br>B |
| 18540208 | 41061026 | Biochemist | ( 1)22201<br>( 1)10040800 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 12122233353<br>MT | L46<br>I |
| 18540211 | 41061030 | Biologist | ( 10)22302<br>( 10)10040601 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 11112333343<br>MT | L46<br>B |
| 18540214 | 41061034 | Biophysicist | ( 1)22205<br>( 1)10041400 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 11111333352<br>JMT | L46<br>I |
| 18540217 | 41061038 | Botanist | ( 10)22302<br>( 10)10040601 | ( 3)020202<br>( 13)BLANK | 666<br>8 | 11211333443<br>DMT | L346<br>B |
| 18540220 | 41061042 | Cytologist | ( 10)22302<br>( 10)10040601 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 11112332342<br>DJMT | L46<br>I |
| 18540223 | 41061050 | Geneticist | ( 10)22302<br>( 10)10040601 | ( 3)020201<br>( 13)BLANK | 666<br>8 | 11211333355<br>VDMT | S46<br>I |
| 18540226 | 41061058 | Microbiologist | ( 10)22302<br>( 10)10040601 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 11222343354<br>DMT | L46<br>I |
| 18540229 | 41061062 | Mycologist | ( 10)22302<br>( 10)10040601 | ( 3)020202<br>( 13)BLANK | 666<br>8 | 11222343343<br>DMT | L46<br>I |
| 18540232 | 41061066 | Nematologist | ( 10)22302<br>( 10)10040601 | ( 3)020201<br>( 13)BLANK | 666<br>8 | 11233443354<br>DJM | L46<br>B |
| 18540235 | 41061078 | Physiologist | ( 10)22302<br>( 10)10040601 | ( 7)020203<br>( 13)BLANK | 666<br>8 | 12111322253<br>DMT | L46<br>I |
| 18540238 | 41061086 | Plant pathologist | ( 10)22302<br>( 10)10040601 | ( 3)020202<br>( 13)BLANK | 666<br>8 | 11222342253<br>DMT | L46<br>B |

```
18540241  41061090  Zoologist                                   (  1)22399     (  3)020201   666  11222422253  L2346
                                                                (  1)10041600  ( 13)BLANK    8    VJM          B
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 1855 MEDICAL SCIENTISTS

**MEDICAL SCIENTISTS** are concerned with human and animal health. They conduct research to increase understanding of and develop cures for health problems. They study the structures of cells, tissue, and organs, and the effects which agents such as drugs, poisons, parasites, and bacteria have upon living tissue.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 5 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 5 | 2 | 5 |
| % | | | 100 | 40 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | 2 | 5 | 1 | | | 4 | 1 |
| % | 60 | | | 40 | 100 | 20 | | | 80 | 20 |

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| | | | attributes | | | | | |
| R freq | | | | | | 5 | | = 5 |
| % | | | | | | 100 | | |
| M freq | | | | | | 5 | | = 5 |
| % | | | | | | 100 | | |
| L freq | | | | | | 5 | | = 5 |
| % | | | | | | 100 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 4 | |
| % | | | | | | | 20 | 80 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 5 | 4 | 1 | 3 | 2 | | | | | | |
| | 2 | | 1 | 3 | 2 | 3 | | | 4 | 3 | | 1 |
| | 3 | | | 1 | | | 4 | 4 | 1 | 2 | | 1 |
| | 4 | | | | | | 1 | 1 | | | 1 | 3 |
| | 5 | | | | | | | | | | 4 | |
| percent | | | | | | | | | | | | |
| range | 1 | 100 | 80 | 20 | 60 | 40 | | | | | | |
| | 2 | | 20 | 60 | 40 | 60 | | | 80 | 60 | | 20 |
| | 3 | | | 20 | | | 80 | 80 | 20 | 40 | | 20 |
| | 4 | | | | | | 20 | 20 | | | 20 | 60 |
| | 5 | | | | | | | | | | 80 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 18550205 | 41061010 | Anatomist | ( 1)22302<br>( 1)10040601 | ( 4)020201<br>( 5)BLANK | 666<br>8 | 11211332244<br>VDJM | L46<br>I |
| 18550208 | 41061054 | Histopathologist | ( 4)22305<br>( 4)10040602 | ( 4)020201<br>( 5)BLANK | 666<br>8 | 11311432252<br>DJMT | L456<br>I |
| 18550211 | 41061070 | Parasitologist | ( 4)22305<br>( 4)10040602 | ( 4)020201<br>( 5)BLANK | 666<br>8 | 11222343354<br>DMT | L46<br>I |
| 18550214 | 41061074 | Pharmacologist | ( 4)22305<br>( 4)10040602 | ( 4)020201<br>( 5)BLANK | 666<br>8 | 12112332353<br>MT | L46<br>I |
| 18550217 | 41261010 | Public-health microbiologist | ( 4)22305<br>( 4)10040602 | ( 1)020402<br>( 5)BLANK | 666<br>7 | 11222332254<br>PMT | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 1912 ECONOMISTS

ECONOMISTS study the way a society uses resources such as land, labor, raw materials, and machinery to provide goods and services. They plan and conduct research to determine the costs and benefits of making, distributing, and using resources in a particular way. Some develop theories and models to explain problems such as inflation. Most, however, apply their skills to solve problems in a certain area, such as finance, labor, agriculture, or health. They give economic advice to business firms, insurance companies, banks, and others.

```
                              CODING TABLES                       Total count =   2
--------------------------------------------------    --------------------------------------------------
PHY      S   L   M   H   V                             SVP     1   2   3   4   5   6   7   8   9
freq     2                                             freq                            2
%      100                                             %                             100
                                                       --------------------------------------------------
                                                       ENV     I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                             freq    2
freq             1   1   2                             %     100
%               50  50 100                             --------------------------------------------------
--------------------------------------------------     APT     G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                               frequency
freq                 2   2   1           1             range 1
%                  100 100  50          50                   2   2   2   2           2
--------------------------------------------------           3
               attributes                                    4               2   2       2   2   2
    GED    1   2   3   4   5   6   7   freq                  5                                       2   2
  R freq                   2           = 2                                   percent
     %                   100                           range 1
  M freq                   2           = 2                   2 100 100 100         100
     %                   100                                 3
  L freq                   2           = 2                   4             100 100     100 100 100
     %                   100                                 5                                     100 100

--------------------------------------------------     --------------------------------------------------
                                                       OES Survey   GOE          GED Aptitudes    Phy. Dem
Unique   DOT                   DOT                     over         over         over over        over
Code     Code                  Title                   OES Matrix   USOE         SVP Temperaments Env. Cond

19120205  50067010  Economist                          (  1)23002   (  1)110305  555 22244244455  S6
                                                       (  1)10100202 (  1)BLANK  7   JMT          I

19120208  50067014  Market-research analyst I          (  1)23003   (  1)110603  555 22244244455  S456
                                                       (  1)10181200 (  1)04010000 7 JMP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

## 1913 HISTORIANS

**HISTORIANS** study and describe past events, institutions, ideas, and people. They locate and evaluate historical evidence. They study each piece of evidence carefully to make sure it is genuine. They also try to figure out what this evidence means. Sometimes they develop theories to explain the importance of facts, and try to relate current events to past events. While most **HISTORIANS** teach, many do research and write books. Some serve as consultants to editors and producers.

### CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 6 | 1 |
| % | | | 67 | 100 | 17 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | 1 | 5 | 4 | 2 | | | | |
| % | 100 | | 17 | 83 | 67 | 33 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 6 | | | = 6 |
| % | | | | | 100 | | | |
| M freq | | 4 | 1 | 1 | | | | = 6 |
| % | | 67 | 17 | 17 | | | | |
| L freq | | | | | 6 | | | = 6 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 4 | 2 | |
| % | | | | | | | 67 | 33 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | 1 | | | | | | | | | |
| | 2 | 6 | 5 | | | | 6 | | | | | |
| | 3 | | | 4 | 1 | 1 | | | | | | 1 |
| | 4 | | | 2 | 5 | 5 | | 6 | 6 | 6 | | |
| | 5 | | | | | | | | | | 6 | 5 |
| | | | | | | percent | | | | | | |
| range | 1 | | 17 | | | | | | | | | |
| | 2 | 100 | 83 | | | | 100 | | | | | |
| | 3 | | | 67 | 17 | 17 | | | | | | 17 |
| | 4 | | | 33 | 83 | 83 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 83 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 19130205 | 52067010 | Biographer | ( 5)23900<br>( 5)10181200 | ( 1)010102<br>( 6)BLANK | 525<br>7 | 22344244455<br>DJM | S5<br>I |
| 19130208 | 52067014 | Director, state-historical society | ( 1)19000<br>( 1)20061699 | ( 5)110303<br>( 6)BLANK | 535<br>8 | 21444244455<br>DIJP | S456<br>I |
| 19130211 | 52067018 | Genealogist | ( 5)23900<br>( 5)10181200 | ( 5)110303<br>( 6)BLANK | 525<br>7 | 22344244455<br>DJM | S45<br>I |
| 19130214 | 52067022 | Historian | ( 5)23900<br>( 5)10181200 | ( 5)110303<br>( 6)BLANK | 525<br>7 | 22344244455<br>DJM | S45<br>I |
| 19130217 | 52067026 | Historian, dramatic arts | ( 5)23900<br>( 5)10181200 | ( 5)110303<br>( 6)BLANK | 525<br>7 | 22344244455<br>DJM | S45<br>I |
| 19130220 | 52167010 | Director, research | ( 5)23900<br>( 5)10181200 | ( 5)110303<br>( 6)BLANK | 545<br>8 | 22433244453<br>DP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 1914 POLITICAL SCIENTISTS

POLITICAL SCIENTISTS study governments and how groups form, develop, operate, and interact. Some specialize in political theory or philosophy. Most concern themselves with the structure and operation of government units, such as the Presidency, Congress, and the judicial system. They also study public opinion, elections, and special interest groups. They try to help government leaders develop policies and plan programs to meet society's needs. Most POLITICAL SCIENTISTS teach or do research and consulting work.

### CODING TABLES

Total count =   1

```
PHY      S   L   M   H   V
freq     1
%      100


PHY      2   3   4   5   6
freq                 1
%                  100
--------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     1           1
%      100         100
--------------------------------------------------
                 attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                        1        =  1
   %                         100
 M freq                    1            =  1
   %                     100
 L freq                    1            =  1
   %                     100
--------------------------------------------------

Unique  DOT                     DOT
Code    Code                    Title

19140205  51067010  Political scientist
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                                 1
%                                  100
--------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
--------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1
      2  1   1                   1
      3          1
      4              1   1           1   1   1
      5                                          1   1
                         percent
range 1
      2 100 100                100
      3         100
      4            100 100         100 100 100
      5                                        100 100
--------------------------------------------------
OES Survey      GOE           GED  Aptitudes     Phy. Dem
over            over          over over          over
OES Matrix      USOE          SVP  Temperaments  Env. Cond

(  1)23900      (  1)110302   655  22344244455   S5
(  1)10181200   (  1)BLANK    8    DJ            I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 1915 PSYCHOLOGISTS

PSYCHOLOGISTS study the ways people behave and think. They seek to understand and explain people's actions. Some do research. They use lab experiments, tests, interviews, and surveys to get information about the ways people think and behave. Others conduct training sessions, do market research, help disturbed patients, and design human-machine systems. Most work in schools, where they teach, counsel, and do research work. These are just a few examples of the things PSYCHOLOGISTS may do.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | 4 | | | |
| % | 60 | 40 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 10 | 8 |
| % | | | 20 | 100 | 80 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 1 | 4 | 8 | 9 | 8 | | | | 9 |
| % | 10 | 10 | 40 | 80 | 90 | 80 | | | | 90 |

attribu[illegible]

| GED | 1 | 2 | 3 | 4 | [illegible] | [illegible] | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 1 | 9 | | = 10 |
| % | | | | | 10 | 90 | | |
| M freq | | | | | 4 | 6 | | = 10 |
| % | | | | | 40 | 60 | | |
| L freq | | | | | 8 | 2 | | = 10 |
| % | | | | | 80 | 20 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 8 | |
| % | | | | | | | 20 | 80 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 9 | 9 | | | | | | | | | |
| | 2 | 1 | 1 | 8 | 2 | 1 | 1 | | | | | |
| | 3 | | | 2 | 4 | 7 | 2 | 2 | 3 | 3 | | 1 |
| | 4 | | | | 4 | 2 | 7 | 7 | 6 | 7 | | 2 |
| | 5 | | | | | | | 1 | 1 | | 10 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | 90 | 90 | | | | | | | | | |
| | 2 | 10 | 10 | 80 | 20 | 10 | 10 | | | | | |
| | 3 | | | 20 | 40 | 70 | 20 | 20 | 30 | 30 | | 10 |
| | 4 | | | | 40 | 20 | 70 | 70 | 60 | 70 | | 20 |
| | 5 | | | | | | | 10 | 10 | | 100 | 70 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 19150205 | 45061010 | Psychologist, developmental | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 665<br>7 | 11233433355<br>VPJM | L56<br>I |
| 19150208 | 45061014 | Psychologist, engineering | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 666<br>8 | 11223444455<br>VJMP | S5<br>I |
| 19150211 | 45061018 | Psychologist, experimental | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 665<br>8 | 11233433354<br>VBJM | L456<br>I |
| 19150214 | 45067010 | Psychologist, educational | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 665<br>8 | 11233444455<br>VPIJM | L56<br>I |
| 19150217 | 45067014 | Psychologist, social | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 665<br>8 | 11244355455<br>VPF | S56<br>I |
| 19150220 | 45067018 | Psychometrist | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 555<br>7 | 22222244453<br>VJM | S456<br>I |
| 19150223 | 45107022 | Psychologist, clinical | ( 10)23004<br>( 10)10180600 | ( 3)100102<br>( 10)BLANK | 656<br>8 | 11343443354<br>VPJM | S56<br>I |
| 19150226 | 45107026 | Psychologist, counseling | ( 10)23004<br>( 10)10180600 | ( 3)100102<br>( 10)BLANK | 655<br>8 | 11343344455<br>VPIM | S5<br>I |
| 19150229 | 45107030 | Psychologist, industrial-organizational | ( 10)23004<br>( 10)10180600 | ( 7)110301<br>( 10)BLANK | 665<br>8 | 11233444455<br>VPIJM | L56<br>I |
| 19150232 | 45107034 | Psychologist, school | ( 10)23004<br>( 10)10180600 | ( 3)100102<br>( 10)BLANK | 655<br>8 | 11244444455<br>PIJM | S56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 1916 SOCIOLOGISTS

SOCIOLOGISTS study human society and social behavior; they examine the groups that people form. These groups include families, tribes, communities, and governments, as well as a great variety of social, religious, business, and other organizations. They study how these groups behave and interact. They also trace their beginning and growth and try to understand the influence these groups have on people. Most SOCIOLOGISTS conduct research, do consulting work, and teach.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 2 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 2 | 2 | | | | | |
| % | 50 | | | 100 | 100 | | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 2 | | = 2 |
| % | | | | | | 100 | | |
| M freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |
| L freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | 2 | 2 | | | | | | | | | |
| 2 | | | 1 | | | | | | | | |
| 3 | | | 1 | 1 | | 1 | | | | | |
| 4 | | | | 1 | 2 | 1 | 2 | 2 | 2 | | |
| 5 | | | | | | | | | | 2 | 2 |
| | | | | | percent | | | | | | |
| range 1 | 100 | 100 | | | | | | | | | |
| 2 | | | 50 | | | | | | | | |
| 3 | | | 50 | 50 | | 50 | | | | | |
| 4 | | | | 50 | 100 | 50 | 100 | 100 | 100 | | |
| 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 19160205 | 54067010 | Research worker, social welfare | ( 2)23005<br>( 2)10180800 | ( 2)110302<br>( 2)BLANK | 655<br>7 | 11234444455<br>JM | S5<br>I |
| 19160208 | 54067014 | Sociologist | ( 2)23005<br>( 2)10180800 | ( 2)110302<br>( 2)BLANK | 655<br>7 | 11344344455<br>DJM | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 1919 SOCIAL SCIENTISTS, N.E.C.

These people use their knowledge of the social sciences to collect information about present and past cultures and to find ways to solve social, political, or military problems. For example, some study the various human races to learn how and where they began and how their customs developed. They try to find ways to explain differences in people's languages, behaviors, and physical characteristics and why some cultures died away.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 6 | | | |
| % | 40 | 60 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 8 | 9 | 8 |
| % | | | 80 | 90 | 80 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 2 | | 9 | 8 | 2 | | | | 3 |
| % | 10 | 20 | | 90 | 80 | 20 | | | | 30 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 2 | 6 | | = 10 |
| % | | | | 20 | 20 | 60 | | |
| M freq | 1 | | | 3 | 6 | | | = 10 |
| % | 10 | | | 30 | 60 | | | |
| L freq | | | | 3 | 6 | 1 | | = 10 |
| % | | | | 30 | 60 | 10 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 6 | 3 | |
| % | | | | | | 10 | 60 | 30 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 5 | 6 | 1 | | | | | | | | |
| | 2 | 4 | 3 | | 7 | 5 | 2 | | | | | |
| | 3 | 1 | 1 | 8 | 2 | 5 | 3 | 2 | 1 | 1 | | 1 |
| | 4 | | | 1 | 1 | | 5 | 8 | 9 | 7 | 3 | 2 |
| | 5 | | | | | | | | | 2 | 7 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | 50 | 60 | 10 | | | | | | | | |
| | 2 | 40 | 30 | | 70 | 50 | 20 | | | | | |
| | 3 | 10 | 10 | 80 | 20 | 50 | 30 | 20 | 10 | 10 | | 10 |
| | 4 | | | 10 | 10 | | 50 | 80 | 90 | 70 | 30 | 20 |
| | 5 | | | | | | | | | 20 | 70 | 70 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 19190205 | 55067010 | Anthropologist | ( 10)23900<br>( 10)10181200 | ( 3)110303<br>( 10)BLANK | 655<br>7 | 11322444445<br>JM | L456<br>I |
| 19190208 | 55067014 | Anthropologist, physical | ( 10)23900<br>( 10)10181200 | ( 1)020201<br>( 10)BLANK | 655<br>7 | 11322444445<br>JM | L456<br>I |
| 19190211 | 55067018 | Archeologist | ( 10)23900<br>( 10)10181200 | ( 3)110303<br>( 10)BLANK | 655<br>7 | 11322444445<br>JM | L456<br>I |
| 19190214 | 55067022 | Ethnologist | ( 10)23900<br>( 10)10181200 | ( 3)110303<br>( 10)BLANK | 655<br>7 | 11322444455<br>JM | L456<br>I |
| 19190217 | 55381010 | Conservator, artifacts | ( 10)23900<br>( 10)10181200 | ( 1)010602<br>( 10)BLANK | 444<br>6 | 33323333354<br>VJM | L46<br>I |
| 19190220 | 59067010 | Philologist | ( 10)23900<br>( 10)10181200 | ( 4)110302<br>( 10)BLANK | 515<br>8 | 22443244454<br>JM | S456<br>I |
| 19190223 | 59067014 | Scientific linguist | ( 10)23900<br>( 10)10181200 | ( 4)110302<br>( 10)BLANK | 656<br>8 | 22322244455<br>PJM | S456<br>I |
| 19190226 | 59167010 | Intelligence research specialist | ( 10)23900<br>( 10)10181200 | ( 4)110302<br>( 10)BLANK | 655<br>6 | 11123444555<br>VDF | S5<br>I |
| 19190229 | 59267010 | Intelligence specialist | ( 10)23900<br>( 10)10181200 | ( 4)110302<br>( 10)BLANK | 544<br>7 | 21333344555<br>VJF | S5<br>I |
| 19190232 | 59267014 | Intelligence specialist | ( 10)23900<br>( 10)10181200 | ( 1)040102<br>( 10)BLANK | 444<br>7 | 22333334453<br>JMP | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 192 URBAN AND REGIONAL PLANNERS

These people develop programs to provide for the future growth and development of city, suburban, and rural communities. They study the long-range needs of a community for housing, transportation, and business sites. They then propose ways to meet those needs. They also prepare materials that show how these programs can be carried out and what they will cost.

CODING TABLES                                    Total count =   1

```
PHY      S   L   M   H   V
freq     1
%      100

PHY      2   3   4   5   6
freq                 1
%                  100
--------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq                 1       1               1
%                  100     100             100
--------------------------------------------
              attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   1           =  1
   %                    100
 M freq               1               =  1
   %                100
 L freq                   1           =  1
   %                    100
--------------------------------------------

 Unique  DOT                 DOT
 Code    Code                Title

19200205 199167014  Urban planner
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                                 1
%                                  100
--------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
--------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1      1
      2  1       1   1   1
      3                      1       1
      4                          1       1       1
      5                                      1
                          percent
range 1    100
      2 100    100 100 100
      3                    100     100
      4                        100     100     100
      5                                    100
--------------------------------------------
OES Survey      GOE           GED  Aptitudes     Phy. Dem
over            over          over over          over
OES Matrix      USOE          SVP  Temperaments  Env. Cond

(  1)23006      (  1)110302   545  21222343454   S5
(  1)10181000   (  1)BLANK    8    VPJ           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

20 Associated DOT Titles

## 2032 SOCIAL WORKERS

SOCIAL WORKERS counsel and give aid to people who need help. For example, they help people who are poor or ill or who have housing, family, or behavior problems. They talk with people to understand their problems and to plan ways to help them. They plan activities and services for children, teenagers, adults, and older persons. They provide information and referral services in many areas. They advise on child care and place children in foster homes. They also help patients and families cope with illnesses.

### CODING TABLES

Total count = 20

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 13 | 7 | | | |
| % | 65 | 35 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 20 | |
| % | | | 15 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 16 | | 9 | 15 | | 19 | | | | 8 |
| % | 80 | | 45 | 75 | | 95 | | | | 40 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 2 | 17 | | | = 20 |
| % | | | 5 | 10 | 85 | | | |
| M freq | | | 15 | 5 | | | | = 20 |
| % | | | 75 | 25 | | | | |
| L freq | | | 1 | 3 | 16 | | | = 20 |
| % | | | 5 | 15 | 80 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 3 | 14 | 2 | |
| % | | | | | 5 | 15 | 70 | 10 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 18 | | 2 | | | | | | |
| % | 90 | | 10 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | 1 | | | | | | | | | |
| | 2 | 17 | 18 | | | | | | | | | |
| | 3 | 3 | 1 | 19 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| | 4 | | | 1 | 13 | 18 | 18 | 16 | 19 | 19 | | |
| | 5 | | | | 5 | 1 | | 3 | | | 19 | 19 |
| | | | | | | percent | | | | | | |
| range | 1 | | 5 | | | | | | | | | |
| | 2 | 85 | 90 | | | | | | | | | |
| | 3 | 15 | 5 | 95 | 10 | 5 | 10 | 5 | 5 | 5 | 5 | 5 |
| | 4 | | | 5 | 65 | 90 | 90 | 80 | 95 | 95 | | |
| | 5 | | | | 25 | 5 | | 15 | | | 95 | 95 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 20320205 | 187137014 | Supervisor, volunteer services | ( 1)19000<br>( 1)20061699 | ( 4)110701<br>( 19)BLANK | 434<br>7 | 32344344455<br>DJV | L5<br>I |
| 20320208 | 189267010 | Field representative | ( 1)29000<br>( 1)10243899 | ( 4)110701<br>( 19)BLANK | 545<br>8 | 22344444455<br>PIJ | S5<br>I |
| 20320211 | 195107010 | Caseworker | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 545<br>7 | 22344444455<br>VDPIJ | S5<br>I |
| 20320214 | 195107014 | Caseworker, child welfare | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 22354454455<br>PIJ | S5<br>I |
| 20320217 | 195107018 | Caseworker, family | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 545<br>7 | 22354454455<br>PIJ | S5<br>I |
| 20320220 | 195107022 | Social group worker | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>8 | 22344444455<br>VDPIJ | S5<br>I |
| 20320223 | 195107026 | Social worker, delinquency prevention | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 22344444455<br>DPI | L5<br>I |
| 20320226 | 195107030 | Social worker, medical | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 22344444455<br>DP | S5<br>I |
| 20320229 | 195107034 | Social worker, psychiatric | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 22344444455<br>DP | S5<br>I |
| 20320232 | 195107038 | Social worker, school | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 22344444455<br>VDPIJ | S5<br>I |
| 20320235 | 195137010 | Casework supervisor | ( 14)25418<br>( 14)10243401 | ( 12)100102<br>( 19)BLANK | 535<br>7 | 21355454455<br>VDPJ | S5<br>I |
| 20320238 | 195164010 | Group worker | ( 14)25418<br>( 14)10243401 | ( 1)090101<br>( 19)BLANK | 545<br>7 | 22333433333<br>VDPIJ | L45<br>B |

```
20320241 195167010  Community organization worker          (  1)25501     (  4)110701   545  22344444455  S5
                                                           (  1)10243405  ( 19)BLANK    7    DP           I

20320244 195167014  Community-relations-and-services       ( 14)25418     (  4)110701   535  22334444455  S5
                    advisor, public housing                ( 14)10243401  ( 19)BLANK    7    DPJ          I

20320247 195167030  Parole officer                         ( 14)25418     ( 12)100102   535  22344444455  S5
                                                           ( 14)10243401  ( 19)BLANK    7    DPJ          I

20320250 195167034  Probation officer                      ( 14)25418     (  2)070101   535  22344444455  S5
                                                           ( 14)10243401  ( 19)BLANK    7    VDPJ         I

20320253 195227010  Program aide, group work               (  1)25535     (  1)100202   534  22344444455  L5
                                                           (  1)10243201  ( 19)BLANK    6    DP           B

20320256 195267014  Human relations or drug and            ( 14)25418     ( 12)100102   333  32344444455  L45
                    alcohol counselor                      ( 14)10243401  ( 19)BLANK    6    JPID         I

20320259 195367010  Case aide                              (  2)44080     ( 12)100102   535  22354344455  L5
                                                           (  2)70083000  ( 19)BLANK    6    VDPJ         I

20320262 195367014  Management aide                        (  2)44080     (  2)070101   434  33454444455  L45
                                                           (  2)70083000  (  1)09020500 5    PJ           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 2033 RECREATION WORKERS

These people plan, organize, and direct activities designed to help people enjoy their free time. They work in such places as summer camps, parks, playgrounds, or recreation centers. They may work with children or adults or with special groups, such as prisoners, hospital patients, soldiers, or the aged. Some plan and direct activities, such as hikes, cookouts, and camp fires, or teach people how to swim, ride horseback, sail, or play games. Others organize activities such as arts and crafts, sports, music, dramatics, and dancing.

CODING TABLES                                         Total count =   3

```
-----------------------------------------------   -----------------------------------------------
PHY      S  L  M  H  V                             SVP   1  2  3  4  5  6  7  8  9
freq        3                                      freq                 1  2
%         100                                      %                   33 67
                                                   -----------------------------------------------
PHY      2  3  4  5  6                             ENV   I  O  B  2  3  4  5  6  7
freq     1     1  3                                freq        3
%       33    33 100                               %         100
-----------------------------------------------   -----------------------------------------------
TEMP     D  F  I  J  M  P  R  S  T  V              APT     G   V   N   S   P   Q   K   F   M   E   C
freq     3              3           1                                   frequency
%      100            100          33              range 1
-----------------------------------------------          2 3   3
            attributes                                   3         1   2   1       2   2   2   2
  GED    1  2  3  4  5  6  7  freq                       4         2   1   2   3   1   1   1       1
 R freq           1  2         = 3                       5                                     1   2
   %             33 67                                                 percent
 M freq     1  2               = 3                 range 1
   %       33 67                                         2 100 100
 L freq           1  2         = 3                       3        33  67  33      67  67  67  67
   %             33 67                                   4        67  33  67 100  33  33  33      33
                                                         5                                    33  67
-----------------------------------------------   -----------------------------------------------
                                                   OES Survey     GOE           GED  Aptitudes     Phy. Dem
 Unique   DOT              DOT                     over           over          over over          over
 Code     Code             Title                   OES Matrix     USOE          SVP  Temperaments  Env. Cond

20330205 159124010  Counselor, camp                ( 2)25535      ( 2)090101    424  22434433334   L245
                                                   ( 2)10243201   ( 2)BLANK     6    VDP           B

20330208 195167026  Director, recreation center    ( 1)19000      ( 1)111102    535  22344444455   L5
                                                   ( 1)20061699   ( 1)04180000  7    DP            B

20330211 195227014  Recreation leader              ( 2)25535      ( 2)090101    535  22433433335   L5
                                                   ( 2)10243201   ( 2)BLANK     7    DP            B
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 2042 CLERGY

CLERGY serve the spiritual and religious needs of people. CLERGY include MINISTERS, RABBIS, and PRIESTS in the Protestant, Jewish, Catholic, other faiths. Their specific duties depend upon their faiths. However, most CLERGY conduct religious services and deliver sermons, conduct weddings and funerals, visit the sick, help the poor, comfort the bereaved, counsel those who need guidance, and involve themselves in community affairs.

CODING TABLES          Total count =   1

```
PHY       S   L   M   H   V
freq          1
%           100


PHY       2   3   4   5   6
freq                  1
%                   100
-------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq          1   1   1       1               1
%           100 100 100     100             100
-------------------------------------------
                    attributes
    GED     1   2   3   4   5   6   7   freq
  R freq                        1       =  1
    %                         100
  M freq                    1           =  1
    %                     100
  L freq                        1       =  1
    %                         100
-------------------------------------------

  Unique   DOT                     DOT
  Code     Code                    Title

20420205 120007010  Clergy member
```

```
SVP       1   2   3   4   5   6   7   8   9
freq                                  1
%                                   100
----------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq      1
%       100
----------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1   1   1
      2
      3           1           1
      4               1   1       1   1   1
      5                                       1   1
                       percent
range 1 100 100
      2
      3         100         100
      4             100 100     100 100 100
      5                                     100 100
----------------------------------------------
DES Survey      GOE            GED  Aptitudes    Phy. Dem
over            over           over over         over
DES Matrix      USOE           SVP  Temperaments Env. Cond

(  1)25423      (  1)100101    646  11344344455  L5
(  1)10241000   (  1)BLANK     8    FIJPV        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

### 2049 RELIGIOUS WORKERS, N.E.C.

These people provide services to members of religious groups. Their job duties vary. Some call on families to give support and nonmedical care to church members who are ill. Some plan and direct activities to meet the religious needs of college students. Some direct church school programs for youths. Some perform special religious rites. Some counsel clients who have had disturbing experiences.

### CODING TABLES

Total count = 6

```
PHY       S   L   M   H   V
freq      4   2
%        67  33


PHY       2   3   4   5   6
freq              2   6   2
%                33 100  33
--------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq      4       3   3   1   6       1   1
%        67      50  50  17 100      17  17
--------------------------------------------------
                  attributes
   GED    1   2   3   4   5   6   7   freq
 R freq               2   4            = 6
   %                 33  67
 M freq       2   4                    = 6
   %         33  67
 L freq           1   3   2            = 6
   %             17  50  33
--------------------------------------------------
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         3   1   2
%                           50  17  33
--------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     6
%      100
--------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1
      2  4   5       1   2   2   1   1   1
      3  2   1   4   1       1                   1
      4          2   4   4   3   3   3   2
      5                          2   2   3   6   5
                          percent
range 1
      2 67  83      17  33  33  17  17  17
      3 33  17  67  17      17                  17
      4         33  67  67  50  50  50  33
      5                         33  33  50 100  83
--------------------------------------------------
```

```
                                                         OES Survey     GOE          GED  Aptitudes    Phy. Dem
Unique   DOT                    DOT                      over           over         over over         over
Code     Code                   Title                    OES Matrix     USOE         SVP  Temperaments Env. Cond

20490205 129107010  Christian science nurse              (  4)29000     (  1)100302  434  33444244455  L456
                                                         (  4)10243899  (  6)BLANK   7    DJP          I

20490208 129107014  Christian science practitioner       (  4)29000     (  3)100101  523  22444444555  S5
                                                         (  4)10243899  (  6)BLANK   6    DIJP         I

20490211 129107018  Director of religious activities     (  2)25475     (  3)100101  535  22334455555  S5
                                                         (  2)10241200  (  6)BLANK   8    DIJP         I

20490214 129107022  Director, religious education        (  2)25475     (  1)110703  535  22344355555  S5
                                                         (  2)10241200  (  6)BLANK   8    DPI          I

20490217 129271010  Mohel                                (  4)29000     (  3)100101  424  22322222253  L456
                                                         (  4)10243899  (  6)BLANK   6    TPS          I

20490220 199207010  Dianetic counselor                   (  4)29000     (  1)100102  534  32342444455  S5
                                                         (  4)10243899  (  6)BLANK   6    MP           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

12 Associated DOT Titles

### 211 LAWYERS

LAWYERS advise individuals and businesses on legal matters. They consult with clients to determine the details of problems, advise them of the law, and suggest action that might be taken. They also study and interpret laws, draft legal papers, and represent clients in courts of law. Many LAWYERS specialize in a certain branch of law. Some help write laws and establish ways to enforce them. A few teach or hold management positions.

### CODING TABLES

Total count = 12

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 11 | 1 | | | |
| % | 92 | 8 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 12 | 2 |
| % | | | 8 | 100 | 17 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | 1 | 9 | 6 | 2 | 11 | | | | 9 |
| % | 33 | 8 | 75 | 50 | 17 | 92 | | | | 75 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 12 | | = 12 |
| % | | | | | | 100 | | |
| M freq | | | | 12 | | | | = 12 |
| % | | | | 100 | | | | |
| L freq | | | | | | 12 | | = 12 |
| % | | | | | | 100 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 12 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 12 | 11 | 9 | | | | | | | | |
| | 2 | | 1 | 1 | | | 2 | | | | | |
| | 3 | | | 2 | 1 | | 8 | | | | | |
| | 4 | | | | 11 | 12 | 2 | 12 | 12 | 12 | | |
| | 5 | | | | | | | | | | 12 | 12 |
| percent | | | | | | | | | | | | |
| range | 1 | 100 | 92 | 75 | | | | | | | | |
| | 2 | | 8 | 8 | | | 17 | | | | | |
| | 3 | | | 17 | 8 | | 67 | | | | | |
| | 4 | | | | 92 | 100 | 17 | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 21100205 | 110107010 | Lawyer | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144344455<br>VPIJ | S5<br>I |
| 21100208 | 110107014 | Lawyer, criminal | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144344455<br>VPI | S5<br>I |
| 21100211 | 110117010 | District attorney | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11244344455<br>PIJ | S5<br>I |
| 21100214 | 110117014 | Insurance attorney | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144244455<br>VPJ | S56<br>I |
| 21100217 | 110117018 | Lawyer, admiralty | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11134344455<br>VDPIJ | S5<br>I |
| 21100220 | 110117022 | Lawyer, corporation | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144344455<br>VDPI | S5<br>I |
| 21100223 | 110117026 | Lawyer, pat[illegible] | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144344455<br>VPI | S5<br>I |
| 21100226 | 110117030 | Lawyer, probate | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144444455<br>VDPI | S5<br>I |
| 21100229 | 110117034 | Lawyer, real estate | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11144444455<br>VDPI | S5<br>I |
| 21100232 | 110117038 | Tax attorney | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 12144244455<br>VM | S5<br>I |
| 21100235 | 110117042 | Title attorney | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11344344455<br>PIJ | L456<br>I |
| 21100238 | 110167010 | Bar examiner | ( 12)25446<br>( 12)10242202 | ( 12)110402<br>( 12)BLANK | 646<br>8 | 11344344455<br>PJMF | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 212 JUDGES

Judges preside over courts of law and hold official hearings to settle legal disputes. They listen to cases being presented, examine evidence, advise the lawyers and juries, and set fines or sentences. In some cases, they decide verdicts. They may also perform marriage ceremonies and carry out legal research. Also included in this group are officials, such as HEARING EXAMINERS AND ARBITRATORS, who do not preside over courts, but who do render decisions which have standing in courts of law.

CODING TABLES                                    Total count = 7

```
PHY     S   L   M   H   V
free    7
%     100

PHY     2   3   4   5   6
free                7
%                 100
--------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
free    3       2   6   4   7           1   2
%      43      29  86  57 100          14  29
--------------------------------------------
              attributes
   GED    1   2   3   4   5   6   7   free
 R free                   2   5        = 7
   %                     29  71
 M free           2   4   1            = 7
   %             29  57  14
 L free               1   2   4        = 7
   %                 14  29  57
```

```
SVP     1   2   3   4   5   6   7   8   9
free                            2   1   4
%                              29  14  57
--------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
free    7
%     100
--------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1   3   3   2
      2   4   4   1
      3           4       3   4
      4               4   1   3   5   5   4
      5               3   3       2   2   3   7   7
                      percent
range 1  43  43  29
      2  57  57  14
      3          57      43  57
      4              57  14  43  71  71  57
      5              43  43      29  29  43 100 100
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 21200205 | 111107010 | Judge | ( 1)25504<br>( 1)10242001 | ( 5)110401<br>( 6)BLANK | 646<br>9 | 11155455555<br>DIPJ | S5<br>I |
| 21200208 | 111107014 | Magistrate | ( 1)25505<br>( 1)10242002 | ( 5)110401<br>( 6)BLANK | 646<br>9 | 11155455555<br>DIMPV | S5<br>I |
| 21200211 | 119107010 | Hearing officer | ( 3)29000<br>( 3)10243899 | ( 5)110401<br>( 6)BLANK | 636<br>9 | 12343344455<br>DJMP | S5<br>I |
| 21200214 | 119117010 | Appeals reviewer, veteran | ( 2)19000<br>( 2)20061699 | ( 5)110401<br>( 6)BLANK | 655<br>9 | 21343344455<br>JP | S5<br>I |
| 21200217 | 119167010 | Adjudicator | ( 3)29000<br>( 3)10243899 | ( 1)110403<br>( 6)BLANK | 545<br>7 | 22244444555<br>VPJ | S5<br>I |
| 21200220 | 119267014 | Appeals referee | ( 3)29000<br>( 3)10243899 | ( 5)110401<br>( 6)BLANK | 636<br>8 | 22343344455<br>JMPT | S5<br>I |
| 21200223 | 169267010 | Claims adjudicator | ( 2)19000<br>( 2)20061699 | ( 1)111201<br>( 1)14089900 | 544<br>7 | 22355344455<br>JMP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 22 TEACHERS COLLEGE, UNIVERSITY, AND OTHER POST SECONDARY INSTITUTIONS

These people conduct classes for students at a college and university. They teach one or more subjects within a certain area. They prepare and give lectures and may conduct seminars or lab sessions. They lead class discussions and prepare, give, and grade exams. They may direct research programs, advise students, and work with committees to plan and revise courses and set degree requirements. They may do research and publish their findings in books or journals. Some act as heads of departments.

CODING TABLES                                                  Total count =  2

```
PHY      S  L  M  H  V
freq     1  1
%       50 50

PHY      2  3  4  5  6
freq              2
%               100
----------------------------------------
TEMP     D  F  I  J  M  P  R  S  T  V
freq     1     2  1     2
%       50   100 50   100
----------------------------------------
              attributes
   GED    1  2  3  4  5  6  7  free
 R freq                   2     = 2
   %                    100
 M freq                2        = 2
   %                 100
 L freq                2        = 2
   %                 100
```

```
SVP      1  2  3  4  5  6  7  8  9
freq                          2
%                           100
----------------------------------------
ENV      I  O  B  2  3  4  5  6  7
freq     2
%      100
----------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1    1   2
      2    1       2   1   1   2
      3                1   1                       1
      4                            2   2   2
      5                                        2   1
                          percent
range 1   50 100
      2   50     100  50  50 100
      3                50  50                     50
      4                           100 100 100
      5                                       100  50
```

```
Unique   DOT                DOT             OES Survey     GOE           GED  Aptitudes    Phy. Dem
Code     Code               Title           over           over          over over         over
                                            OES Matrix     USOE          SVP  Temperaments Env. Cond

22000205 90167010 Department head, college or  (  1)19000     (  1)110703   655  21222244453  S5
                  university                  (  1)20061699  (  2)BLANK    8    PI           I

22000208 90227010 Faculty member, college or   (  1)25104     (  1)110201   655  11233244455  L5
                  university                  (  1)10202002  (  2)BLANK    8    DPIJ         I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 2232 HEALTH SPECIALITES TEACHERS, N.E.C.

These people teach courses in health specialities. They may specialize in teaching anatomy, dentistry, hygiene, lab technology, nursing, pharmacy, therapy, or veterinary medicine. They prepare and give lectures, conduct and supervise lab work, and direct seminars. They prepare and give exams, evaluate student progress, and keep student records. They also help plan courses of study, teaching schedules, and course outlines.

CODING TABLES                                        Total count =   1

```
-------------------------------------------------------
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq             1   1   1
%              100 100 100
-------------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     1                   1                   1
%      100                 100                 100
-------------------------------------------------------
                 attributes
   GED   1   2   3   4   5   6   7   freq
 R freq                  1            = 1
   %                   100
 M freq              1                = 1
   %               100
 L freq                  1            = 1
   %                   100

-------------------------------------------------------

 Unique  DOT                   DOT
 Code    Code                  Title

22320205  75121010  Nurse, instructor
```

```
--------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             1
%                              100
--------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
--------------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1        1
      2    1       1           1
      3                1   1           1
      4                          1       1       1
      5                                      1
                           percent
range 1      100
      2  100     100         100
      3              100 100         100
      4                          100     100     100
      5                                      100

--------------------------------------------------------
OES Survey      GOE            GED  Aptitudes    Phy. Dem
over            over           over over         over
OES Matrix      USOE           SVP  Temperaments Env. Cond

(  1)25457      (  1)100201    545  21233243454  L456
(  1)10100000   (  1)BLANK     7    VDP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 2249 TEACHERS, POST-SECONDARY, N.E.C.

These workers teach military and police science. They may teach in Reserve Officer Training Corps programs, covering such subjects as weapons deployment, naval science, defense concepts, and aerospace science. Others teach probationary and experienced policemen, covering such areas as investigative methods, self-defense, community relations, and care of firearms. They evaluate test results and student performance.

CODING TABLES                                                    Total count =  2

```
PHY      S   L   M   H   V
freq     1   1
%       50  50


PHY      2   3   4   5   6
freq                 2
%                  100
----------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     2       1   1   1   2               1
%      100      50  50  50 100              50
----------------------------------------------
             attributes
   GED   1   2   3   4   5   6   7   freq
 R freq              1   1             =  2
   %                50  50
 M freq      1   1                     =  2
   %        50  50
 L freq          1       1             =  2
   %            50      50
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             1       1
%                               50      50
----------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     2
%      100
----------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1
      2  2   2       1   1   1
      3          2   1   1   1
      4                          2   2   2
      5                                      2   2
                       percent
range 1
      2 100 100      50  50  50
      3         100  50  50  50
      4                         100 100 100
      5                                     100 100
```

```
Unique   DOT                     DOT                           OES Survey       GOE              GED  Aptitudes    Phy. Dem
                                                               over             over             over over         over
Code     Code                    Title                         OES Matrix       USOE             SVP  Temperaments Env. Cond

22490205  99227022  Instructor, military science               (  1)25103       (  1)110201      535  22322244455  S5
                                                               (  1)10205000    (  1)BLANK       9    DPI          I

22490208 375227010  Police-academy instructor                  (  1)25199       (  1)040101      423  22333344455  L5
                                                               (  1)10206099    (  1)17200200    7    VDPJM        I
```

2 Associated DOT Titles

## 231 PREKINDERGARTEN AND KINDERGARTEN TEACHERS

People in these jobs teach preschool and kindergarten aged children. They provide learning activities to help these children develop the physical, mental and social skills they will need when they enter school. They conduct lessons in social skills through games and group projects. They also teach simple principles of science, math, health and language. Besides teaching, they watch children for signs of problems, illness and progress. They meet with parents to discuss their children's problems and progress.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 1 | 2 | 1 |
| % | | 50 | 50 | 100 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 1 | | 2 | | | | 2 |
| % | 100 | | | 50 | | 100 | | | | 100 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |
| M freq | | 2 | | | | | | = 2 |
| % | | 100 | | | | | | |
| L freq | | | 1 | 1 | | | | = 2 |
| % | | | 50 | 50 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 1 | | |
| % | | | | | | 50 | 50 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 1 | | | | | | |
| % | 50 | | 50 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 1 | | | | | | | | | |
| | 3 | 1 | 1 | 1 | | | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | | | 1 | 2 | 2 | | | | | | |
| | 5 | | | | | | | | | | | |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 50 | 50 | | | | | | | | | |
| | 3 | 50 | 50 | 50 | | | 100 | 100 | 100 | 100 | 100 | 100 |
| | 4 | | | 50 | 100 | 100 | | | | | | |
| | 5 | | | | | | | | | | | |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 23100205 | 92227014 | Teacher, kindergarten | ( 2)25101<br>( 2)10204000 | ( 2)100203<br>( 2)BLANK | 524<br>7 | 22444333333<br>DPV | L5<br>B |
| 23100208 | 92227018 | Teacher, preschool | ( 2)25101<br>( 2)10204000 | ( 2)100203<br>( 2)BLANK | 423<br>6 | 33344333333<br>DJPV | L3456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 232 ELEMENTARY SCHOOL TEACHERS

These TEACHERS work in grade schools. They teach the basic concepts of math, language, science, social studies, and other subjects. They try to provide a sound background for studies in the higher grades. They also try to teach good study habits and respect for learning. They also arrange trips, speakers, and class projects. Some teach special subjects such as music, art, or gym skills. They also attend school meetings, plan courses, grade papers, and supervise after-school activities.

CODING TABLES

Total count = 1

```
PHY      S  L  M  H  V
free        1
%         100

PHY      2  3  4  5  6
free              1
%               100
---------------------------------------------
TEMP     D  F  I  J  M  P  R  S  T  V
free              1     1           1
%               100   100         100
---------------------------------------------
            attributes
   GED   1  2  3  4  5  6  7  free
 R free              1          = 1
   %               100
 M free        1                = 1
   %         100
 L free              1          = 1
   %               100
```

```
SVP      1  2  3  4  5  6  7  8  9
free                    1
%                     100
---------------------------------------------
ENV      I  O  B  2  3  4  5  6  7
free     1
%      100
---------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1
      2  1   1               1
      3          1       1                       1
      4              1           1   1   1   1
      5
                         percent
range 1
      2 100 100             100
      3        100     100                      100
      4            100         100 100 100 100
      5
```

```
Unique   DOT                 DOT
Code     Code                Title

23200205 92227010 Teacher, elementary school
```

```
OES Survey     GOE          GED  Aptitudes    Phy. Dem
over           over         over over         over
OES Matrix     USOE         SVP  Temperaments Env. Cond

(  1)25102     (  1)110201  535  22343244443  L5
(  1)10203000  (  1)BLANK   6    VPJ          I
```

139

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 233 SECONDARY SCHOOL TEACHERS

These TEACHERS work in middle, junior high, and high schools. They instruct students in specific subjects such as English, math, social studies, or science. Some teach courses to prepare students for specific jobs. They often teach a number of courses within a subject area. They develop teaching plans, prepare and give exams, and arrange class projects. They often use films, slides, computer terminals, and other equipment in conducting classes. They also supervise study halls and homerooms and attend school meetings.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | |
| % | | | 50 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 1 | 1 | 1 | 1 | | | 1 | 1 |
| % | 50 | | 50 | 50 | 50 | 50 | | | 50 | 50 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |
| M freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| L freq | | | 1 | | 1 | | | = 2 |
| % | | | 50 | | 50 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | | | | |
| | 3 | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 4 | | | | 1 | | | 1 | 1 | 1 | | |
| | 5 | | | | | | | | | | 1 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 50 | 50 | 50 | 50 | | | | | |
| | 3 | | | 50 | | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| | 4 | | | | 50 | | | 50 | 50 | 50 | | |
| | 5 | | | | | | | | | | 50 | 50 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 23300205 | 91221010 | Teacher, industrial arts | ( 2)25103<br>( 2)10205000 | ( 1)110202<br>( 2)BLANK | 543<br>7 | 22222333333<br>VMT | L45<br>I |
| 23300208 | 91227010 | Teacher, secondary school | ( 2)25103<br>( 2)10205000 | ( 1)110201<br>( 2)BLANK | 545<br>7 | 22343244455<br>DPIJ | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

### 235 TEACHERS: SPECIAL EDUCATION

These people teach academic, social, and other skills to children and adults who have special problems. The students may have physical or mental handicaps. They may teach in a classroom, or special building, or some travel to students' homes to teach. They may use special methods or tools, such as sign language or Braille writers to teach. They plan courses, prepare lessons, grade papers, and keep records. An important part of their work involves encouraging and advising students and their families.

CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 1 | | | |
| % | 80 | 20 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 5 | |
| % | | | 60 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | 5 | 4 | | 5 | | | | 1 |
| % | 100 | | 100 | 80 | | 100 | | | | 20 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |
| M freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |
| L freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 5 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 5 | | | | 5 | | | | | |
| | 3 | | | 5 | 1 | 5 | | 3 | 1 | | | |
| | 4 | | | | 4 | | | 2 | 4 | 5 | | |
| | 5 | | | | | | | | | | 5 | 5 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | | | | 100 | | | | | |
| | 3 | | | 100 | 20 | 100 | | 60 | 20 | | | |
| | 4 | | | | 80 | | | 40 | 80 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 23500205 | 94224010 | Teacher, deaf | ( 5)25103<br>( 5)10205000 | ( 5)100203<br>( 5)BLANK | 545<br>7 | 22333234455<br>DIJP | S45<br>I |
| 23500208 | 94227010 | Educational therapist | ( 5)25103<br>( 5)10205000 | ( 5)100203<br>( 5)BLANK | 545<br>7 | 22343244455<br>DIVP | S5<br>I |
| 23500211 | 94227014 | Teacher, blind | ( 5)25103<br>( 5)10205000 | ( 5)100203<br>( 5)BLANK | 545<br>7 | 22343233455<br>DIJP | L45<br>I |
| 23500214 | 94227018 | Teacher, handicapped students | ( 5)25103<br>( 5)10205000 | ( 5)100203<br>( 5)BLANK | 545<br>7 | 22343234455<br>DIJP | S45<br>I |
| 23500217 | 94227022 | Teacher, mentally retarded | ( 5)25103<br>( 5)10205000 | ( 5)100203<br>( 5)BLANK | 545<br>7 | 22343244455<br>DIJP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 236 INSTRUCTIONAL COORDINATORS

These workers plan, develop, and support educational programs. These programs may be at the primary, secondary, or higher educational level. For example, some plan and set up community health education programs. Others develop programs to provide in-service training for teachers. Some review courses of study, or order educational materials and supplies for a school system. These people work with school officials, teachers, and community groups to make sure that educational standards and goals are met.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 2 | | | |
| % | 60 | 40 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 5 | 2 |
| % | | | | 100 | 40 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | 1 | 2 | 4 | 1 | 5 | | | | |
| % | 100 | 20 | 40 | 80 | 20 | 100 | | | | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 3 | 2 | | = 5 |
| % | | | | | 60 | 40 | | |
| M freq | | 1 | | 2 | 1 | 1 | | = 5 |
| % | | 20 | | 40 | 20 | 20 | | |
| L freq | | | | | 5 | | | = 5 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 5 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | 1 | | | | | | |
| % | 80 | | 20 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 2 | 3 | 1 | | | 1 | | | | | |
| | 2 | 3 | 2 | 1 | 1 | 1 | 3 | | | | | |
| | 3 | | | 3 | 2 | 2 | 1 | | | | | 1 |
| | 4 | | | | 2 | 2 | | 5 | 5 | 5 | 1 | 1 |
| | 5 | | | | | | | | | | 4 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 40 | 60 | 20 | | | 20 | | | | | |
| | 2 | 60 | 40 | 20 | 20 | 20 | 60 | | | | | |
| | 3 | | | 60 | 40 | 40 | 20 | | | | | 20 |
| | 4 | | | | 40 | 40 | | 100 | 100 | 100 | 20 | 20 |
| | 5 | | | | | | | | | | 80 | 60 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 23600205 | 79117014 | Public health educator | ( 3)29000<br>( 3)10243899 | ( 1)110702<br>( 5)BLANK | 545<br>8 | 11334344444<br>DIPJ | L5<br>B |
| 23600208 | 99167014 | Consultant, education | ( 3)29000<br>( 3)10243899 | ( 4)110703<br>( 5)BLANK | 665<br>8 | 21244144455<br>DJP | S56<br>I |
| 23600211 | 99167018 | Director, instructional material | ( 2)19000<br>( 2)20061699 | ( 4)110703<br>( 5)BLANK | 545<br>8 | 22322244453<br>DFJP | L56<br>I |
| 23600214 | 99167022 | Educational specialist | ( 2)19000<br>( 2)20061699 | ( 4)110703<br>( 5)BLANK | 655<br>8 | 11143244455<br>DPJ | S5<br>I |
| 23600217 | 99167026 | Music supervisor | ( 3)29000<br>( 3)10243899 | ( 4)110703<br>( 5)BLANK | 525<br>8 | 22333244455<br>DIMP | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

39 Associated DOT Titles

## 239 ADULT EDUCATION AND OTHER TEACHERS, N.E.C.

These people teach special, academic, job-related, and other courses in school business, industrial, and other settings. They may teach any one of a variety of popular courses, such as consumer education, home management, foreign language, art, music, or woodworking. They may teach job-related skills such as assembling watch parts or decorating dinnerware. They plan courses, prepare lessons, and give written or performance tests. They also may advise students in career and related matters.

### CODING TABLES

Total count = 39

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 31 | 2 | 1 | |
| % | 13 | 79 | 5 | 3 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 4 | 3 | 30 | 38 | 23 |
| % | 10 | 8 | 77 | 97 | 59 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 29 | 3 | 13 | 23 | 8 | 35 | | 1 | 6 | 17 |
| % | 74 | 8 | 33 | 59 | 21 | 90 | | 3 | 15 | 44 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 2 | 20 | 17 | | | = 39 |
| % | | | 5 | 51 | 44 | | | |
| M freq | | 13 | 18 | 8 | | | | = 39 |
| % | | 33 | 46 | 21 | | | | |
| L freq | | | 10 | 14 | 15 | | | = 39 |
| % | | | 26 | 36 | 38 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 2 | 2 | 8 | 21 | 6 | |
| % | | | | 5 | 5 | 21 | 54 | 15 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 33 | | 6 | | | | 4 | 2 | |
| % | 85 | | 15 | | | | 10 | 5 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | 1 |
| | 2 | 27 | 31 | 5 | 9 | 7 | 10 | 5 | 4 | 2 | 5 | |
| | 3 | 12 | 8 | 27 | 15 | 17 | 18 | 14 | 17 | 22 | 4 | 13 |
| | 4 | | | 7 | 15 | 14 | 11 | 20 | 18 | 15 | 7 | 10 |
| | 5 | | | | | 1 | | | | | 23 | 15 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | 3 |
| | 2 | 69 | 79 | 13 | 23 | 18 | 26 | 13 | 10 | 5 | 13 | |
| | 3 | 31 | 21 | 69 | 38 | 44 | 46 | 36 | 44 | 56 | 10 | 33 |
| | 4 | | | 18 | 38 | 36 | 28 | 51 | 46 | 38 | 18 | 26 |
| | 5 | | | | | 3 | | | | | 59 | 38 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 23900205 | 75127010 | Instructor, psychiatric aide | ( 4)25105<br>( 4)10202001 | ( 1)100201<br>( 32)BLANK | 545<br>7 | 22344344455<br>DMTP | L45<br>I |
| 23900208 | 90227018 | Instructor, extension work | ( 1)25104<br>( 1)10202002 | ( 5)110201<br>( 32)BLANK | 535<br>8 | 22343244455<br>DPI | S5<br>I |
| 23900211 | 96121010 | County home-demonstration agent | ( 3)25532<br>( 7)10243899 | ( 5)110203<br>( 32)BLANK | 535<br>7 | 22333343343<br>VDPIJ | L456<br>I |
| 23900214 | 96121014 | Home economist | ( 3)25532<br>( 7)10243899 | ( 5)110203<br>( 32)BLANK | 535<br>7 | 22333233343<br>VPJI | L456<br>I |
| 23900217 | 96127010 | County-agricultural agent | ( 4)29000<br>( 7)10243899 | ( 5)110203<br>( 1)01020000 | 535<br>7 | 22344344453<br>VDPIJ | L5<br>B |
| 23900220 | 96127014 | Extension service specialist | ( 1)25545<br>( 1)10202004 | ( 2)110703<br>( 32)BLANK | 535<br>8 | 22343244453<br>VDPIJ | L5<br>I |
| 23900223 | 96127018 | Feed and farm management adviser | ( 4)29000<br>( 7)10243899 | ( 5)110203<br>( 32)BLANK | 434<br>7 | 32344343344<br>DIPV | L456<br>B |
| 23900226 | 96127022 | Four-H club agent | ( 3)25532<br>( 7)10243899 | ( 5)110203<br>( 32)BLANK | 535<br>7 | 22333344455<br>DPJI | L5<br>B |
| 23900229 | 96167010 | District extension service agent | ( 4)29000<br>( 7)10243899 | ( 2)110703<br>( 32)BLANK | 535<br>8 | 22344244453<br>DJP | S5<br>I |
| 23900232 | 97227010 | Instructor, flying II | ( 6)25106<br>( 6)10201000 | ( 1)050401<br>( 32)BLANK | 443<br>6 | 23322244334<br>DIJM | L456<br>I |
| 23900235 | 97227014 | Instructor, vocational training | ( 4)25105<br>( 4)10202001 | ( 3)110202<br>( 32)BLANK | 444<br>7 | 22222333333<br>PJ | L45<br>I |
| 23900238 | 99223010 | Instructor, driving | ( 1)25435<br>( 5)10206099 | ( 2)090303<br>( 32)BLANK | 423<br>4 | 33433323324<br>IJS | L456<br>I6 |

```
23900241 99224010 Instructor, physical education          (  1)25103     (  5)110201   524  22433433323  L23456
                                                           (  1)10205000  ( 32)BLANK    7    VDP          B

23900244 99227010 Children's tutor                        (  4)25199     (  1)100303   424  33344444455  L456
                                                           (  5)10206099  ( 32)BLANK    5    VDP          I

23900247 99227014 Instructor, correspondence              (  4)25199     (  5)110201   535  22234344455  S
                  school                                   (  5)10206099  ( 32)BLANK    7    DIJ          I

23900250 99227018 Instructor, ground services             (  4)25105     (  3)110202   535  22223244454  L56
                                                           (  4)10202001  ( 32)BLANK    7    DPV          I

23900253 99227026 Instructor, modeling                    (  6)25106     (  1)010801   424  32444434343  L456
                                                           (  6)10201000  ( 32)BLANK    4    PJF          I

23900256 99227030 Teacher, adult education                (  4)25105     (  5)110201   424  32333244455  L45
                                                           (  4)10202001  ( 32)BLANK    7    DIJ          I

23900259 99227034 Tutor                                   (  4)25199     (  5)110201   535  22344244455  L5
                                                           (  5)10206099  ( 32)BLANK    7    PJ           I

23900262 149021010 Teacher, art                           (  6)25106     (  1)010201   544  22422432351  L456
                                                           (  6)10201000  ( 32)BLANK    7    PI           I

23900265 150027014 Teacher, drama                         (  6)25106     (  1)010301   525  22324244453  L45
                                                           (  6)10201000  ( 32)BLANK    7    VDPJ         I

23900268 151027014 Instructor, dancing                    (  1)25430     (  1)010501   525  22424423325  M2456
                                                           (  1)10206001  ( 32)BLANK    7    DPFT         I

23900271 152021010 Teacher, music                         (  6)25106     (  1)010401   525  22343322255  L456
                                                           (  6)10201000  ( 32)BLANK    8    DPFJ         I

23900274 153227014 Instructor, physical                   (  4)29000     (  1)100202   333  33444444425  L2345
                                                           (  7)10243899  ( 32)BLANK    6    DP           I

23900277 153227018 Instructor, sports                     (  1)25479     (  1)120101   434  22344422224  M23456
                                                           (  1)10220403  ( 32)BLANK    8    DJMP         B

23900280 159227010 Instructor, bridge                     (  6)25106     (  1)090101   444  22244443353  S45
                                                           (  6)10201000  ( 32)BLANK    8    VDPJ         I

23900283 166227010 Training representative                (  1)25465     (  3)110202   545  22233344455  L5
                                                           (  1)10242802  (  1)14060100 7    DPJT         I

23900286 187161014 Manager, handicraft-or-hobby           (  1)19000     (  1)111102   444  22323322354  L456
                  shop                                     (  1)20061699  (  1)04180000 7    VDPMT        I5

23900289 235222010 Private-branch-exchange service        (  1)61354     (  1)070405   424  32344333355  L45
                  adviser                                  (  1)40066204  (  1)14040100 6    VPMT         I

23900292 239227010 Customer-service-representative        (  1)61900     (  1)070402   423  33345244455  S45
                  instructor                               (  1)40066898  (  1)14049900 6    VDPJ         I

23900295 621221010 Field-service representative           (  4)25199     (  1)050509   444  22322433344  L456
                                                           (  5)10206099  (  1)17040100 7    VBJP         B5

23900298 683222010 Instructor, weaving                    (  3)55865     (  5)060201   323  33433433354  L456
                                                           (  3)50144815  (  1)1733[illegible]00 7    DP           I5

23900301 689222010 Instructor                             (  3)55865     (  5)060201   433  33332343343  L456
                                                           (  3)50144815  ( 32)BLANK    6    VDP          I

23900304 715221010 Instructor, watch assembly             (  3)59001     (  5)060201   434  22333333355  L456
                                                           (  3)50144899  ( 32)BLANK    7    PM           I

23900307 740221010 Instructor, decorating                 (  3)59001     (  1)010603   423  22332333353  L456
                                                           (  3)50144899  ( 32)BLANK    7    DPJM         I

23900310 788222010 Instructor                             (  1)55865     (  5)06[illegible]1   434  22322433333  L456
                                                           (  1)50144814  ( 32)BLANK    6    JPV          I5

23900313 789222010 Instructor, apparel manufacture        (  3)55865     (  5)060201   433  32333333344  L456
                                                           (  3)50144815  ( 32)BLANK    6    VDP          I

23900316 806227010 Instructor, rocket-motor case          (  3)59001     (  1)060101   423  33333334355  M456
                  assembly                                 (  3)50144899  ( 32)BLANK    5    IP[illegible]          I6
```

```
23900319 919223010  Instructor, bus, trolley,                (  1)55B61     (  2)090303   433  22333333334  L456
                    and taxi                                 (  1)50144813  ( 32)BLANK    6    DPMJ         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 24 VOCATIONAL AND EDUCATIONAL COUNSELORS

These workers counsel people on educational and career matters. They help students or workers by providing them with information about training and jobs and by helping them deal with personal problems. They collect information about people from interviews, tests, records, and other sources. They also compile job, school, and economic information. They determine people's interests, abilities, and needs and plan educational and training programs to suit them. They may help clients get training or other help from community agencies. They also keep records and write reports.

CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 6 | 2 | | | |
| % | 75 | 25 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 8 | 1 |
| % | | | 25 | 100 | 13 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | 3 | 6 | 3 | 7 | | | | 5 |
| % | 75 | | 38 | 75 | 38 | 88 | | | | 63 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 8 | | | = 8 |
| % | | | | | 100 | | | |
| M freq | | 1 | 1 | 3 | 3 | | | = 8 |
| % | | 13 | 13 | 38 | 38 | | | |
| L freq | | | | | 8 | | | = 8 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 3 | 4 | |
| % | | | | | | 13 | 38 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 4 | 5 | | | | | | | | | |
| | 2 | 4 | 3 | 3 | | | | | | | | |
| | 3 | | | 4 | 2 | | 5 | | | | | |
| | 4 | | | 1 | 6 | 8 | 3 | 7 | 7 | 7 | 1 | 1 |
| | 5 | | | | | | | 1 | 1 | 1 | 7 | 7 |
| percent | | | | | | | | | | | | |
| range | 1 | 50 | 63 | | | | | | | | | |
| | 2 | 50 | 38 | 38 | | | | | | | | |
| | 3 | | | 50 | 25 | | 63 | | | | | |
| | 4 | | | 13 | 75 | 100 | 38 | 88 | 88 | 88 | 13 | 13 |
| | 5 | | | | | | | 13 | 13 | 13 | 88 | 88 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 24000205 | 45107010 | Counselor | ( 5)25107<br>( 5)10243600 | ( 6)100102<br>( 8)BLANK | 555<br>7 | 11344444455<br>JMPV | L456<br>I |
| 24000208 | 45107014 | Counselor, nurses' association | ( 5)25107<br>( 5)10243600 | ( 6)100102<br>( 8)BLANK | 545<br>8 | 21334444455<br>VDP | S45<br>I |
| 24000211 | 45107018 | Director of counseling | ( 2)19000<br>( 2)20061699 | ( 6)100102<br>( 8)BLANK | 555<br>8 | 11234344455<br>DPIJ | S5<br>I |
| 24000214 | 45107038 | Residence counselor | ( 1)23900<br>( 1)10181200 | ( 6)100102<br>( 8)BLANK | 545<br>7 | 11444444455<br>VPIJ | S5<br>I |
| 24000217 | 45107042 | Vocational-rehabilitation counselor | ( 5)25107<br>( 5)10243600 | ( 6)100102<br>( 8)BLANK | 535<br>8 | 22344344444<br>DJMV | S5<br>I |
| 24000220 | 45117010 | Director of guidance in public schools | ( 2)19000<br>( 2)20061699 | ( 1)110703<br>( 8)BLANK | 555<br>8 | 11244344455<br>DP | L5<br>I |
| 24000223 | 90107010 | Foreign-student adviser | ( 5)25107<br>( 5)10243600 | ( 6)100102<br>( 8)BLANK | 525<br>7 | 22344344455<br>VDPJ | S5<br>I |
| 24000226 | 169267026 | Supervisor, special services | ( 5)25107<br>( 5)10243600 | ( 1)070101<br>( 8)BLANK | 545<br>6 | 22244355555<br>DPIJM | S5<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

## 251 LIBRARIANS

LIBRARIANS make information available to people in libraries. They select, order, catalog, and take care of library materials such as books, magazines, newspapers, files, and records. They also help people find information they need. Other duties which they may perform include: supervising staff, preparing budgets, repairing materials, and handling special collections.

### CODING TABLES

Total count = 16

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 13 | | | |
| % | 19 | 81 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 2 | 16 | 11 | 7 |
| % | | 13 | 100 | 69 | 44 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | 1 | 3 | 12 | 3 | 8 | 3 | | 4 | 7 |
| % | 44 | 6 | 19 | 75 | 19 | 50 | 19 | | 25 | 44 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 7 | 9 | | | = 16 |
| % | | | | 44 | 56 | | | |
| M freq | | 6 | 10 | | | | | = 16 |
| % | | 38 | 63 | | | | | |
| L freq | | | 1 | 8 | 7 | | | = 16 |
| % | | | 6 | 50 | 44 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 4 | 10 | 1 | |
| % | | | | | 6 | 25 | 63 | 6 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 15 | | 1 | | | | | 1 | |
| % | 94 | | 6 | | | | | 6 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | | | | | | | | | |
| | 2 | 12 | 12 | 1 | | 2 | 7 | 1 | 1 | 1 | | |
| | 3 | 3 | 3 | 14 | 2 | 6 | 9 | 1 | 1 | 1 | | 2 |
| | 4 | | | 1 | 14 | 8 | | 14 | 14 | 14 | | 2 |
| | 5 | | | | | | | | | | 16 | 12 |
| | | | | | | percent | | | | | | |
| range | 1 | 6 | 6 | | | | | | | | | |
| | 2 | 75 | 75 | 6 | | 13 | 44 | 6 | 6 | 6 | | |
| | 3 | 19 | 19 | 88 | 13 | 38 | 56 | 6 | 6 | 6 | | 13 |
| | 4 | | | 6 | 88 | 50 | | 88 | 88 | 88 | | 13 |
| | 5 | | | | | | | | | | 100 | 75 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 25100205 | 100127010 | Chief librarian, branch or department | ( 12)25448<br>( 12)10242401 | ( 1)110704<br>( 16)BLANK | 535<br>7 | 22344344455<br>DPJ | L45<br>I |
| 25100208 | 100127014 | Librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 535<br>7 | 22344244455<br>VPJ | L45<br>I |
| 25100211 | 100167010 | Audiovisual librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 533<br>7 | 22332322253<br>DPIJ | L456<br>I |
| 25100214 | 100167014 | Bookmobile librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 434<br>7 | 22344344454<br>VDP | L45<br>B6 |
| 25100217 | 100167018 | Children's librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 535<br>7 | 22344344455<br>VPJ | L45<br>I |
| 25100220 | 100167022 | Institution librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 525<br>7 | 22344344455<br>VPJ | L456<br>I |
| 25100223 | 100167026 | Librarian, special library | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 535<br>7 | 22343244455<br>VDPJ | L45<br>I |
| 25100226 | 100167030 | Media specialist, school library | ( 1)25544<br>( 1)10242402 | ( 15)110204<br>( 16)BLANK | 534<br>7 | 22332333353<br>VDPIJ | L456<br>I |
| 25100229 | 100167034 | Young-adult librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 525<br>7 | 22344344455<br>DIF | L45<br>I |
| 25100232 | 100267010 | Acquisitions librarian | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 434<br>6 | 22244244455<br>VJM | L345<br>I |
| 25100235 | 100267014 | Librarian, special collections | ( 12)25448<br>( 12)10242401 | ( 15)110204<br>( 16)BLANK | 525<br>8 | 22343244454<br>DJ | L34<br>I |
| 25100238 | 100367010 | Bibliographer | ( 3)34029<br>( 3)10141405 | ( 15)110204<br>( 16)BLANK | 424<br>7 | 11344244455<br>JMT | S46<br>I |

```
25100241 100367014  Classifier                        (  3)34029    ( 15)110204   434  22443244455  L46
                                                      (  3)10141405 ( 16)BLANK    6    RJT          I

25100244 100367022  Music librarian                   ( 12)25448    ( 15)110204   424  33343344455  S46
                                                      ( 12)10242401 ( 16)BLANK    6    R            I

25100247 100367026  Music librarian, international    ( 12)25448    ( 15)110204   434  33343344455  S45
                    broadcast                         ( 12)10242401 ( 16)BLANK    6    JRT          I

25100250 100387010  Catalog librarian                 (  3)34029    ( 15)110204   424  33343244455  L46
                                                      (  3)10141405 ( 16)BLANK    5    RT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 252 ARCHIVISTS AND CURATORS

**ARCHIVISTS** and **CURATORS** conduct research on items or materials of scientific or historical interest. They appraise, edit, and direct the safekeeping of records, historical documents, art objects, and other valuable or rare items. Some plan and direct the major activities of a museum, art gallery, arboretum, or similar institution. Others work to restore or repair articles and prepare them to be exhibited.

### CODING TABLES

Total count = 10

```
PHY  :  S   L   M   H   V
freq    3   4   3
%      30  40  30


PHY     2   3   4   5   6
freq    1   1   8   4   6
%      10  10  80  40  60
-----------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
fceq    4   2      10   6   4           5   5
%      40  20     100  60  40          50  50
-----------------------------------------
                 attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                2   7   1       = 10
   %                  20  70  10
 M freq            3   6   1           = 10
   %              30  60  10
 L freq                5   4   1       = 10
   %                  50  40  10
```

```
SVP     1   2   3   4   5   6   7   8   9
freq                        2   5   2 - 1
%                          20  50  20  10
-----------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
freq    9       1               2   2
%      90      10              20  20
-----------------------------------------------
APT       G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1   2   4                                   2
      2   6   4   2   6   6   1   2   4   4
      3   2   2   5   4   4   6   2   1   1   2   5
      4               3           3   6   4   5   2   2
      5                                   1       6   1
                          percent
range 1  20  40                                  20
      2  60  40  20  60  60  10  20  40  40
      3  20  20  50  40  40  60  20  10  10  20  50
      4              30          30  60  40  50  20  20
      5                                  10      60  10
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 25200205 | 101167010 | Archivist | ( 1)25406<br>( 1)10240601 | ( 2)110303<br>( 10)BLANK | 535<br>8 | 21232344454<br>VDPJF | S56<br>I |
| 25200208 | 102017010 | Curator | ( 3)25454<br>( 3)10240603 | ( 1)110704<br>( 10)BLANK | 656<br>9 | 11233344453<br>DJMPV | L4<br>B |
| 25200211 | 102117010 | Supervisor, historic sites | ( 3)25454<br>( 3)10240603 | ( 1)110503<br>( 10)BLANK | 545<br>7 | 21323445454<br>DPJF | L456<br>I |
| 25200214 | 102167010 | Art conservator | ( 3)25454<br>( 3)10240603 | ( 5)010602<br>( 10)BLANK | 544<br>8 | 12422322251<br>DJMPT | L456<br>I |
| 25200217 | 102261010 | Conservation technician | ( 5)34019<br>( 5)10141401 | ( 5)010602<br>( 10)BLANK | 444<br>6 | 22322322241<br>JMTV | M46<br>I |
| 25200220 | 102361010 | Restorer, lace and textiles | ( 5)34019<br>( 5)10141401 | ( 5)010602<br>( 10)BLANK | 544<br>7 | 22333333333<br>JMT | M46<br>I |
| 25200223 | 102381010 | Museum technician | ( 5)34019<br>( 5)10141401 | ( 5)010602<br>( 10)BLANK | 434<br>7 | 33422442233<br>JMM | M234<br>I56 |
| 25200226 | 109267010 | Research assistant | ( 5)34019<br>( 5)10141401 | ( 2)110303<br>( 10)BLANK | 544<br>7 | 22323344453<br>JTV | S5<br>I |
| 25200229 | 109267014 | Research worker, encyclopedia | ( 1)39000<br>( 1)10141404 | ( 1)110802<br>( 10)BLANK | 535<br>6 | 21332244455<br>JM | S46<br>I |
| 25200232 | 109281010 | Armorer technician | ( 5)34019<br>( 5)10141401 | ( 5)010602<br>( 10)BLANK | 545<br>7 | 33422432243<br>JT | L4<br>I56 |

# CLASSIFICATION AND CODING DISTRIBUTIONS

27 Associated DOT Titles

## 261 PHYSICIANS

PHYSICIANS perform medical exams, diagnose diseases, and treat people who are suffering from injury or disease. They also advise patients on how to prevent disease and keep fit through proper exercise and diet. They generally work in their offices and in hospitals. Some, however, visit patients in their homes or in nursing homes. Most PHYSICIANS specialize in a certain field of medicine. Some also do research or teach in medical schools. A few write and edit medical books.

### CODING TABLES

Total count = 27

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 24 | 3 | | |
| % | | 89 | 11 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 27 | 27 | 27 |
| % | | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 18 | | | 27 | 26 | 26 | | 1 | 1 | 1 |
| % | 67 | | | 100 | 96 | 96 | | 4 | 4 | 4 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | | 27 | | = 27 |
| % | | | | | | 100 | | |
| M freq | | | | | 27 | | | = 27 |
| % | | | | | 100 | | | |
| L freq | | | | | | 27 | | = 27 |
| % | | | | | | 100 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 25 | 2 |
| % | | | | | | | | 93 | 7 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 27 | | | | | 1 | | 1 | 1 |
| % | 100 | | | | | 4 | | 4 | 4 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 27 | 25 | 5 | 21 | 16 | | | 12 | 8 | | |
| | 2 | | 2 | 19 | 6 | 10 | 7 | 15 | 12 | 15 | | 1 |
| | 3 | | | 3 | | 1 | 17 | 10 | 2 | 2 | | 13 |
| | 4 | | | | | | 3 | 2 | 1 | 2 | 17 | 8 |
| | 5 | | | | | | | | | | 10 | 5 |
| | | | | | | percent | | | | | | |
| range | 1 | 100 | 93 | 19 | 78 | 59 | | | 44 | 30 | | |
| | 2 | | 7 | 70 | 22 | 37 | 26 | 56 | 44 | 56 | | 4 |
| | 3 | | | 11 | | 4 | 63 | 37 | 7 | 7 | | 48 |
| | 4 | | | | | | 11 | 7 | 4 | 7 | 63 | 30 |
| | 5 | | | | | | | | | | 37 | 19 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 26100205 | 70061010 | Pathologist | ( 27)25469<br>( 27)10101400 | ( 1)020201<br>( 27)BLANK | 656<br>8 | 11212332253<br>DJM | L456<br>I7 |
| 26100208 | 70101010 | Anesthesiologist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 12611332253<br>[illegible] | L456<br>I |
| 26100211 | 70101014 | Cardiologist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11211321243<br>JMP | L456<br>I |
| 26100214 | 70101018 | Dermatologist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11222332243<br>JMP | L456<br>I |
| 26100217 | 70101022 | General practitioner | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11111221243<br>DJMP | L456<br>I |
| 26100220 | 70101026 | Family practitioner | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11211322243<br>DJMP | L456<br>I |
| 26100223 | 70101030 | Flight surgeon | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11322432354<br>PJM | L456<br>I |
| 26100226 | 70101034 | Gynecologist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11211232245<br>DJMP | L456<br>I |
| 26100229 | 70101038 | Intern | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11211321254<br>JMP | L456<br>I |
| 26100232 | 70101042 | Internist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>9 | 11211321143<br>DJMP | L456<br>I |
| 26100235 | 70101046 | Medical officer | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11112232253<br>JMP | L456<br>I |
| 26100238 | 70101050 | Neurologist | ( 27)25469<br>( 27)10101400 | ( 26)020301<br>( 27)BLANK | 656<br>8 | 11211332245<br>DJMP | L456<br>I |

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26100241  70101054  Obstetrician                        ( 27)25469       ( 26)020301   656  11211231145  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100244  70101058  Ophthalmologist                     ( 27)25469       ( 26)020301   656  11211321242  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100247  70101062  Otolaryngologist                    ( 27)25469       ( 26)020301   656  11211232245  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100250  70101066  Pediatrician                        ( 27)25469       ( 26)020301   656  11211421153  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100253  70101070  Physiatrist                         ( 27)25469       ( 26)020301   656  12111322244  M456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I4

26100256  70101074  Physician, head                     ( 27)25469       ( 26)020301   656  11323333354  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100259  70101078  Physician, occupational             ( 27)25469       ( 26)020301   656  11322322253  L456
                                                        ( 27)10101400    ( 27)BLANK    8    PJMT         I

26100262  70101082  Police surgeon                      ( 27)25469       ( 26)020301   656  11222443453  L456
                                                        ( 27)10101400    ( 27)BLANK    8    VPJM         I

26100265  70101086  Proctologist                        ( 27)25469       ( 26)020301   656  11211322245  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100268  70101090  Radiologist                         ( 27)25469       ( 26)020301   656  11212321143  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I6

26100271  70101094  Surgeon I                           ( 27)25469       ( 26)020301   656  11211321144  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMPS        I

26100274  70101098  Urologist                           ( 27)25469       ( 26)020301   656  11222321144  M456
                                                        ( 27)10101400    ( 27)BLANK    8    DJMP         I

26100277  70107010  Allergist-immunologist              ( 27)25469       ( 26)020301   656  11111221143  L456
                                                        ( 27)10101400    ( 27)BLANK    9    DJMP         I

26100280  70107014  Psychiatrist                        ( 27)25469       ( 26)020301   656  11212344454  L456
                                                        ( 27)10101400    ( 27)BLANK    8    DPJ          I

26100283  71101010  Osteopathic physician               ( 27)25469       ( 26)020301   656  11212221144  M456
                                                        ( 27)10101400    ( 27)BLANK    8    JMP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

9 Associated DOT Titles

## 262 DENTISTS

**DENTISTS** examine teeth and other parts of the mouth to diagnose diseases or disorders. They take x-rays, fill cavities, straighten teeth, and treat gum diseases. They pull teeth and replace them with dentures. They also perform surgery on gums and supporting bones to correct them. Most practice general dentistry, but a few specialize in areas of care such as childrens' dentistry or the treatment of gums. A few **DENTISTS** teach in dental schools, do research, or run dental health programs.

### CODING TABLES

Total count = 9

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 9 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 9 | 8 | 9 |
| % | | | 100 | 89 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | 4 | 7 | 9 | 8 | | | 1 | 2 |
| % | 22 | | 44 | 78 | 100 | 89 | | | 11 | 22 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | | 9 | | = 9 |
| % | | | | | | 100 | | |
| M freq | | | | | 9 | | | = 9 |
| % | | | | | 100 | | | |
| L freq | | | | | 9 | | | = 9 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | | 9 | |
| % | | | | | | | | 100 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 9 | 3 | 8 | 9 | 8 | | | 6 | 5 | | |
| | 2 | | 6 | 1 | | 1 | 1 | 1 | 3 | 4 | | |
| | 3 | | | | | | 7 | 4 | | | | 3 |
| | 4 | | | | | | 1 | 4 | | | 6 | 4 |
| | 5 | | | | | | | | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 100 | 33 | 89 | 100 | 89 | | | 67 | 56 | | |
| | 2 | | 67 | 11 | | 11 | 11 | 11 | 33 | 44 | | |
| | 3 | | | | | | 78 | 44 | | | | 33 |
| | 4 | | | | | | 11 | 44 | | | 67 | 44 |
| | 5 | | | | | | | | | | 33 | 22 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 26200205 | 72061010 | Oral pathologist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111341143<br>JM | L46<br>I |
| 26200208 | 72101010 | Dentist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111342244<br>VPM | L456<br>I |
| 26200211 | 72101014 | Endodontist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 11112221243<br>MPTVD | L456<br>I |
| 26200214 | 72101018 | Oral surgeon | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111331154<br>IJMP | L456<br>I |
| 26200217 | 72101022 | Orthodontist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 11211331145<br>IJMP | L456<br>I |
| 26200220 | 72101026 | Pedodontist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111342244<br>IJMP | L456<br>I |
| 26200223 | 72101030 | Periodontist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111331155<br>IJMP | L456<br>I |
| 26200226 | 72101034 | Prosthodontist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 12111342244<br>JMP | L456<br>I |
| 26200229 | 7210103[illegible] | Public-health dentist | ( 9)25433<br>( 9)10100400 | ( 9)020302<br>( 9)BLANK | 655<br>8 | 11111431153<br>DJMP | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

14 Associated DOT Titles

## 27 VETERINARIANS

**VETERINARIANS** (doctors of veterinary medicine) study, diagnose, treat, and help to control diseases and injuries among animals. They also help prevent the outbreak and spread of animal diseases, many of which can affect humans. They treat animals in hospitals and clinics or on farms and ranches. They operate on sick or injured animals and prescribe and give medicines, drugs, and vaccines.

### CODING TABLES

Total count = 14

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 9 | 3 | | |
| % | 14 | 64 | 21 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 14 | 2 | 14 |
| % | | 7 | 100 | 14 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 13 | 2 | | | 4 | 12 |
| % | | | | 7 | 93 | 14 | | | 29 | 86 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 13 | 1 | | = 14 |
| % | | | | | 93 | 7 | | |
| M freq | | | | 13 | 1 | | | = 14 |
| % | | | | 93 | 7 | | | |
| L freq | | | | 4 | 10 | | | = 14 |
| % | | | | 29 | 71 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 12 | |
| % | | | | | | | 14 | 86 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | | 2 | | | | | | 6 |
| % | 86 | | 14 | | | | | | 43 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 11 | 4 | 7 | 10 | 9 | | | 7 | 9 | | |
| | 2 | 3 | 9 | 6 | 2 | 3 | | 4 | 7 | 4 | | 2 |
| | 3 | | 1 | 1 | 2 | 2 | 8 | 1 | | | 1 | 7 |
| | 4 | | | | | | 6 | 9 | | 1 | 6 | 5 |
| | 5 | | | | | | | | | | 7 | |
| | | | | | | percent | | | | | | |
| range | 1 | 79 | 29 | 50 | 71 | 64 | | | 50 | 64 | | |
| | 2 | 21 | 64 | 43 | 14 | 21 | | 29 | 50 | 29 | | 14 |
| | 3 | | 7 | 7 | 14 | 14 | 57 | 7 | | | 7 | 50 |
| | 4 | | | | | | 43 | 64 | | 7 | 43 | 36 |
| | 5 | | | | | | | | | | 50 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 27000205 | 73061010 | Veterinarian, laboratory animal care | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 13111341133<br>VM | L46<br>I7 |
| 27000208 | 73061014 | Veterinary anatomist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 11211322154<br>VM | L46<br>I7 |
| 27000211 | 73061018 | Veterinary bacteriologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 12111441143<br>VM | L46<br>I |
| 27000214 | 73061022 | Veterinary epidemiologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 12111441143<br>VM | L46<br>I |
| 27000217 | 73061026 | Veterinary parasitologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 11233322454<br>MT | L46<br>I |
| 27000220 | 73061030 | Veterinary pathologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 655<br>8 | 12111441143<br>VM | L46<br>I |
| 27000223 | 73061034 | Veterinary pharmacologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 544<br>8 | 12111441142<br>VMT | S46<br>I |
| 27000226 | 73061038 | Veterinary physiologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 12111441143<br>VM | L46<br>I |
| 27000229 | 73061042 | Veterinary virologist | ( 11)25488<br>( 11)10102000 | ( 9)020201<br>( 11)BLANK | 545<br>8 | 12111342153<br>VM | S46<br>I |
| 27000232 | 73101010 | Veterinarian | ( 11)25488<br>( 11)10102000 | ( 5)020303<br>( 11)BLANK | 545<br>8 | 11211322154<br>VPMT | M46<br>B7 |
| 27000235 | 73101014 | Veterinarian, poultry | ( 11)25488<br>( 11)10102000 | ( 5)020303<br>( 11)BLANK | 545<br>8 | 11312421243<br>JMP | L346<br>I7 |
| 27000238 | 73161010 | Veterinary livestock inspector | ( 3)10001<br>( 3)20040800 | ( 5)020303<br>( 3)01040100 | 544<br>7 | 22222342254<br>VM | M456<br>B7 |

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27000241  73261010  Veterinary virus-serum inspector        (  3)10001     (  5)020303   544  22233332252  L46
                                                            (  3)20040800  (  3)01040100 7    VT           I

27000244  73264010  Veterinary meat-inspector               (  3)10001     (  5)020303   544  22222342254  M456
                                                            (  3)20040800  (  3)01040100 8    VM           I7
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 281 OPTOMETRISTS

OPTOMETRISTS examine people's eyes for vision problems, diseases, and other disorders of the eye. They also test eyes for proper depth and color perception and focus. When necessary, they prescribe lenses and treatment. When they find evidence of disease, they refer patients to doctors who treat eyes. Most OPTOMETRISTS supply eyeglasses and fit and adjust contact lenses. Some specialize in work with the aged, children, or the visual safety of industrial workers. Some OPTOMETRISTS teach or do research.

```
                                CODING TABLES                    Total count =   1
------------------------------------------       ------------------------------------------
PHY     S  L  M  H  V                              SVP    1  2  3  4  5  6  7  8  9
freq       1                                       freq                     1
%        100                                       %                      100
                                                  ------------------------------------------
                                                   ENV    I  O  B  2  3  4  5  6  7
PHY     2  3  4  5  6                              freq   1
freq          1  1  1                              %    100
%           100 100 100                           ------------------------------------------
------------------------------------------         APT    G  V  N  S  P  Q  K  F  M  E  C
TEMP    D  F  I  J  M  P  R  S  T  V                                frequency
freq                1  1                       range 1
%                 100 100                            2  1  1  1  1  1
------------------------------------------           3                    1  1  1     1
              attributes                             4                 1
   GED   1  2  3  4  5  6  7  freq                   5                             1
  R freq             1        = 1                                   percent
    %              100                         range 1
  M freq             1        = 1                    2 100 100 100 100 100
    %              100                               3                   100 100 100   100
  L freq             1        = 1                    4               100
    %              100                               5                           100
------------------------------------------       ------------------------------------------

 Unique  DOT                  DOT                OES Survey    GOE           GED Aptitudes   Phy. Dem
 Code    Code                 Title              over          over          over over       over
                                                 OES Matrix    USOE          SVP  Temperaments Env. Cond
28100205  79101018  Optometrist
                                                 (  1)25459    (  1)020304   555  22222433353  L456
                                                 (  1)10101000 (  1)BLANK    7    PM           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 283 PODIATRISTS

**PODIATRISTS** diagnose and treat diseases and disorders of the foot. They perform surgery, fit corrective devices, and prescribe drugs, therapy, and proper shoes. To help in diagnoses, they take x-rays and perform tests. They treat a variety of foot, conditions, including corns, bunions, calluses, ingrown toenails, skin diseases, fallen arches, and deformed toes. Some specialize in foot surgery, bone disorders, children's foot ailments, or foot problems of the aged. Most provide all types of foot care.

CODING TABLES

Total count = 1

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 1 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 1 | 1 |
| % | | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 1 | 1 | | | | |
| % | | | | 100 | 100 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 1 | | | = 1 |
| % | | | | | 100 | | | |
| M freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |
| L freq | | | | | 1 | | | = 1 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | | | | | | | | | | |
| | 3 | | 1 | 1 | 1 | 1 | | | 1 | 1 | | |
| | 4 | | | | | | 1 | 1 | | | | |
| | 5 | | | | | | | | | | 1 | 1 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | | | | | | | | | | |
| | 3 | | 100 | 100 | 100 | 100 | | | 100 | 100 | | |
| | 4 | | | | | | 100 | 100 | | | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title |
|---|---|---|
| 28300205 | 79101022 | Podiatrist |

| OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|
| ( 1)25470 | ( 1)020301 | 545 | 23333443355 | L456 |
| ( 1)10101600 | ( 1)BLANK | 7 | PJM | I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

## 289 HEALTH DIAGNOSING AND TREATING PRACTIONERS, N.E.C.

These workers diagnose and treat human ailments, and prescribe and give treatments for diseases and illnesses. Generally, these workers are not medical doctors. Some adjust the spinal columns and other parts of people's bodies to prevent disease and correct conditions thought to be caused by nervous system disorders. Some treat patients using natural means such as air, water, earth, food, and herbs. Some hypnotize patients to change their behavior patterns. Some use acupuncture needles to treat ailments and relieve pain.

### CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 2 | 1 | | |
| % | 25 | 50 | 25 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 4 | 4 |
| % | | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 4 | 2 | 3 | | | | 1 |
| % | 50 | | | 100 | 50 | 75 | | | | 25 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 3 | | | = 4 |
| % | | | | 25 | 75 | | | |
| M freq | | | 1 | 3 | | | | = 4 |
| % | | | 25 | 75 | | | | |
| L freq | | | | 1 | 3 | | | = 4 |
| % | | | | 25 | 75 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 3 | | |
| % | | | | | | 25 | 75 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | | | | | | | | | |
| | 2 | 3 | 3 | 1 | 3 | 3 | | 3 | 1 | 1 | | |
| | 3 | | | 2 | | | 2 | | 2 | 2 | | 2 |
| | 4 | | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 |
| | 5 | | | | | | | | | | 3 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | 25 | 25 | | | | | | | | | |
| | 2 | 75 | 75 | 25 | 75 | 75 | | 75 | 25 | 25 | | |
| | 3 | | | 50 | | | 50 | | 50 | 50 | | 50 |
| | 4 | | | 25 | 25 | 25 | 50 | 25 | 25 | 25 | 25 | 25 |
| | 5 | | | | | | | | | | 75 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 28900205 | 79101010 | Chiropractor | ( 1)25419<br>( 1)10100200 | ( 3)020304<br>( 4)BLANK | 545<br>7 | 22322422244<br>DPJM | M456<br>I |
| 28900208 | 79101014 | Doctor, naturopathic | ( 2)29000<br>( 2)10243899 | ( 3)020304<br>( 4)BLANK | 545<br>7 | 11222323353<br>VPJ | L456<br>I |
| 28900211 | 79157010 | Hypnotherapist | ( 1)25522<br>( 1)10101810 | ( 1)100202<br>( 4)BLANK | 434<br>7 | 22444444455<br>DJP | S456<br>I |
| 28900214 | 79271010 | Acupuncturist | ( 2)29000<br>( 2)10243899 | ( 3)020304<br>( 4)BLANK | 545<br>6 | 22322323353<br>JM | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

14 Associated DOT Titles

## 29 REGISTERED NURSES

As important members of the health care team, REGISTERED NURSES perform a wide range of functions. They observe and record symptoms, reactions, and the progress of patients. They give medicine and drugs to patients as prescribed by doctors. They also help treat patients and instruct them and their families in proper health care. Some of these nurses provide nursing services in hospitals, doctors' offices, and nursing homes. Others do research work or instruct students.

### CODING TABLES

Total count = 14

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 6 | 7 | | |
| % | 7 | 43 | 50 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 14 | 13 | 13 |
| % | | | 100 | 93 | 93 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | 1 | 13 | 14 | | 4 | 7 | 6 |
| % | 50 | | 7 | 7 | 93 | 100 | | 29 | 50 | 43 |

attributes

| GED | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|---|
| R | freq | | | | | 14 | | | = 14 |
| | % | | | | | 100 | | | |
| M | freq | | | | 12 | 2 | | | = 14 |
| | % | | | | 86 | 14 | | | |
| L | freq | | | 1 | | 13 | | | = 14 |
| | % | | | 7 | | 93 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 13 | 1 | |
| % | | | | | | | 93 | 7 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 14 | | | | | | | | 1 |
| % | 100 | | | | | | | | 7 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 14 | 12 | 6 | 4 | 3 | | | 2 | 2 | | |
| | 3 | | 2 | 8 | 8 | 10 | 11 | 8 | 8 | 9 | | 7 |
| | 4 | | | | 2 | 1 | 3 | 6 | 4 | 3 | 11 | 6 |
| | 5 | | | | | | | | | | 3 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 86 | 43 | 29 | 21 | | | 14 | 14 | | |
| | 3 | | 14 | 57 | 57 | 71 | 79 | 57 | 57 | 64 | | 50 |
| | 4 | | | | 14 | 7 | 21 | 43 | 29 | 21 | 79 | 43 |
| | 5 | | | | | | | | | | 21 | 7 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 29000205 | 75124010 | Nurse, school | ( 14)25457<br>( 14)101[illegible]800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22333343343<br>VDPMT | M456<br>I |
| 29000208 | 75124014 | Nurse, staff, community health | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22233343343<br>IPMT | M456<br>I |
| 29000211 | 75127014 | Nurse, consultant | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22244344455<br>VDP | S45<br>I |
| 29000214 | 75127018 | Nurse, head | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22233432243<br>VDPMT | L456<br>I |
| 29000217 | 75127022 | Nurse, supervisor | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22333344443<br>VDPMT | L456<br>I |
| 29000220 | 75127026 | Nurse, supervisor, community-health nursing | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22233344444<br>DPM | L456<br>I |
| 29000223 | 75137010 | Nurse, supervisor, occupational health nursing | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22233434344<br>DPM | L456<br>I |
| 29000226 | 75264010 | Nurse practitioner | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 555<br>8 | 22322433353<br>DJMP | L456<br>I |
| 29000229 | 75264014 | Nurse-midwife | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 5)07030100 | 553<br>7 | 23333333344<br>VPM | M456<br>I |
| 29000232 | 75371010 | Nurse anesthetist | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 5)07030100 | 545<br>7 | 23222342253<br>PSM | M46<br>I7 |
| 29000235 | 75374010 | Nurse, general duty | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 5)07030100 | 545<br>7 | 22333333344<br>PMTS | M456<br>I |
| 29000238 | 75374014 | Nurse, office | ( 14)25457<br>( 14)10100800 | ( 14)100201<br>( 9)BLANK | 545<br>7 | 22323333344<br>PMTS | M456<br>I |

```
29000241  75374018  Nurse, private duty                         ( 14)25457     ( 14)100201   545  22322333344  M456
                                                                ( 14)10100800  (  5)07030100 7    PNTS         I

29000244  75374022  Nurse, staff, occupational                  ( 14)25457     ( 14)100201   545  22343333343  L456
                    health nursing                              ( 14)10100800  (  5)07030100 7    MPV          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 301 PHARMACISTS

**PHARMACISTS** dispense drugs and medicine prescribed by doctors and dentists. They also advise people on the use of medicines that can be bought without a doctor's order. They may prepare medicines and test drugs for purity and strength. Some keep records of the drugs patients use and advise doctors on the selection and use of drugs. Many who work in drug stores also buy and sell goods and hire and supervise staff. Others teach, do research, do consulting work, or write and edit technical articles.

### CODING TABLES

Total count = 1

```
PHY      S   L   M   H   V
freq         1
%          100

PHY      2   3   4   5   6
freq             1       1
%              100     100
-----------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq                     1               1
%                      100             100
-----------------------------------------------
               attributes
    GED   1   2   3   4   5   6   7   freq
  R freq                  1            = 1
     %                  100
  M freq                  1            = 1
     %                  100
  L freq                  1            = 1
     %                  100
-----------------------------------------------

Unique   DOT                 DOT
Code     Code                Title

30100205  74161010  Pharmacist
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             1
%                              100
---------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
---------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1    1
      2        1   1       1           1           1
      3                        1           1
      4                1           1
      5                                        1
                          percent
range 1  100
      2      100 100     100         100         100
      3                      100         100
      4              100         100
      5                                      100
---------------------------------------------------
OES Survey      GOE             GED  Aptitudes     Phy. Dem
over            over            over over          over
OES Matrix      USOE            SVP  Temperaments  Env. Cond

(  1)25466      (  1)020401     555  12242342352   L46
(  1)10101200   (  1)BLANK      7    MT            I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 302 DIETITIANS

DIETITIANS plan healthful and tasty meals to help people keep or recover their good health. They also supervise staff who prepare and serve meals, manage food and related purchases, prepare food budgets, and give advice on good eating habits. Some DIETITIANS plan and direct food preparation in places such as hospitals, nursing homes, clinics, and schools. Others teach, do research, or act as consultants.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 7 | | | |
| % | 13 | 88 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 8 | 8 |
| % | | | | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | 3 | 7 | 8 | | | | 6 |
| % | 75 | | | 38 | 88 | 100 | | | | 75 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 7 | 1 | | = 8 |
| % | | | | | 88 | 13 | | |
| M freq | | | | 7 | 1 | | | = 8 |
| % | | | | 88 | 13 | | | |
| L freq | | | | | 8 | | | = 8 |
| % | | | | | 100 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 1 | 6 | |
| % | | | | | | 13 | 13 | 75 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | | | | | | | | | |
| | 2 | 7 | 5 | 3 | | | | | | | | 1 |
| | 3 | | 2 | 5 | 7 | 7 | 7 | | | 1 | | |
| | 4 | | | | 1 | 1 | 1 | 8 | 8 | 7 | 1 | 5 |
| | 5 | | | | | | | | | | 7 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 13 | 13 | | | | | | | | | |
| | 2 | 88 | 63 | 38 | | | | | | | | 13 |
| | 3 | | 25 | 63 | 88 | 88 | 88 | | | 13 | | |
| | 4 | | | | 13 | 13 | 13 | 100 | 100 | 88 | 13 | 63 |
| | 5 | | | | | | | | | | 88 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 30200205 | 77061010 | Dietitian, research | ( 7)25434<br>( 7)10100600 | ( 1)020204<br>( 8)BLANK | 655<br>8 | 11233344452<br>VPM | L56<br>I |
| 30200208 | 77117010 | Dietitian, chief | ( 7)25434<br>( 7)10100600 | ( 1)110502<br>( 8)BLANK | 545<br>8 | 22244344445<br>VDJMP | S56<br>I |
| 30200211 | 77121010 | Dietetic technician | ( 1)35900<br>( 1)10121099 | ( 4)050517<br>( 8)BLANK | 545<br>8 | 23333344354<br>DMPV | L56<br>I |
| 30200214 | 77127010 | Community dietitian | ( 7)25434<br>( 7)10100600 | ( 1)110203<br>( 8)BLANK | 545<br>8 | 22333344455<br>VPM | L56<br>I |
| 30200217 | 77127014 | Dietitian, clinical | ( 7)25434<br>( 7)10100600 | ( 4)050517<br>( 8)BLANK | 545<br>7 | 22333344454<br>DPMJ | L56<br>I |
| 30200220 | 77127018 | Dietitian, consultant | ( 7)25434<br>( 7)10100600 | ( 4)050517<br>( 8)BLANK | 545<br>8 | 22233444454<br>VDP | L56<br>I |
| 30200223 | 77127022 | Dietitian, teaching | ( 7)25434<br>( 7)10100600 | ( 1)110202<br>( 8)BLANK | 545<br>8 | 22333344454<br>PDJM | L56<br>I |
| 30200226 | 77167010 | Dietetic intern | ( 7)25434<br>( 7)10100600 | ( 4)050517<br>( 8)BLANK | 545<br>6 | 23333344454<br>VDPM | L56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 3031 RESPIRATORY THERAPISTS

RESPIRATORY THERAPISTS treat patients who have breathing problems. This treatment may range from giving short-term relief to asthma patients to giving emergency care in cases of heart failure, stroke, drowning, and shock. These workers are among the first medical specialists called in to treat breathing problems caused by head injury or drug poisoning.

### CODING TABLES

Total count = 1

```
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq             1       1
%              100     100

TEMP     D   F   I   J   M   P   R   S   T   V
freq                     1               1   1
%                      100             100 100

                 attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                1                = 1
   %                 100
 M freq            1                    = 1
   %             100
 L freq            1                    = 1
   %             100
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         1
%                          100

ENV      I   O   B   2   3   4   5   6   7
freq     1                               1
%      100                             100

APT       G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1
      2                                   1
      3   1   1   1   1   1       1   1
      4                       1
      5                                       1   1
                         percent
range 1
      2                                 100
      3 100 100 100 100 100     100 100
      4                     100
      5                                     100 100
```

```
Unique   DOT                  DOT
Code     Code                 Title

30310205  79361010  Respiratory therapist
```

```
DES Survey     GOE            GED  Aptitudes    Phy. Dem
over           over           over over         over
DES Matrix     USOE           SVP  Temperaments Env. Cond

(  1)25542     (  1)100202    433  33333433255  L46
(  1)10101809  (  1)07090300  6    VMT          I7
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 3032 OCCUPATIONAL THERAPISTS

These people plan and direct educational, vocational, and recreational activities designed to help patients with physical, mental, or emotional problems become self-sufficient. They evaluate the abilities of patients, set goals for them, and plan therapy programs. They teach skills and the use of tools to restore clients' movement, coordination, and confidence. They also plan and direct games and other activities and may design devices to aid clients. Some teach or do consulting work.

### CODING TABLES

Total count = 2

```
PHY     S   L   M   H   V
freq        2
%         100


PHY     2   3   4   5   6
freq            2   2   1
%             100 100  50
-------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
freq    1           1   1   2               1
%      50          50  50 100              50
-------------------------------------------
              attributes
  GED    1   2   3   4   5   6   7   freq
 R freq                  2            = 2
   %                   100
 M freq              1   1            = 2
   %                50  50
 L freq                  2            = 2
   %                   100
```

```
SVP     1   2   3   4   5   6   7   8   9
freq                            2
%                             100
-------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
freq    2
%     100
-------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1
      2    2   2   2
      3                2   2   1   1   2   2
      4                        1   1           2
      5                                            2
                         percent
range 1
      2  100 100 100
      3              100 100  50  50 100 100
      4                       50  50         100
      5                                          100
```

```
                                                 OES Survey    GOE           GED  Aptitudes    Phy. Dem
Unique   DOT                                     over          over          over over         over
Code     Code      Title                         OES Matrix    WSOE          SVP  Temperaments Env. Cond

30320205 76121010  Occupational therapist        (  2)25458    (  2)100202   545  22233443345  L456
                                                 (  2)10101801 (  2)BLANK    7    VPJ          I

30320208 76167010  Industrial therapist          (  2)25458    (  2)100202   555  22233333345  L45
                                                 (  2)10101801 (  2)BLANK    7    DMP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 3033 PHYSICAL THERAPISTS

PHYSICAL THERAPISTS give treatments to help relieve patients' pain and develop or restore their physical health. They help persons with muscle, nerve, joint and bone diseases, or injuries to overcome their disabilities. Their patients include accident victims, handicapped children, and disabled older persons. They test and measure physical abilities and plan treatment programs. They may use such means as exercise, massage, water, or electricity to relieve pain or improve the condition of muscles and skin.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 2 | 1 |  |  |
| % |  | 67 | 33 |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  | 1 | 2 | 2 | 2 |
| % |  | 33 | 67 | 67 | 67 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 3 |  | 1 | 1 | 1 | 3 |  |  |  | 2 |
| % | 100 |  | 33 | 33 | 33 | 100 |  |  |  | 67 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 2 | 1 |  |  | = 3 |
| % |  |  |  | 67 | 33 |  |  |  |
| M freq |  | 1 |  | 2 |  |  |  | = 3 |
| % |  | 33 |  | 67 |  |  |  |  |
| L freq |  |  |  | 2 | 1 |  |  | = 3 |
| % |  |  |  | 67 | 33 |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  |  |  |  | 3 |  |  |
| % |  |  |  |  |  |  | 100 |  |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 |  |  |  |  | 1 |  |  | 2 |
| % | 100 |  |  |  |  | 33 |  |  | 67 |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 3 | 3 | 2 | 1 | 1 |  | 3 | 3 | 3 |  |  |
|  | 3 |  |  | 1 |  |  | 1 |  |  |  | 2 |  |
|  | 4 |  |  |  | 2 | 2 | 2 |  |  |  | 1 | 1 |
|  | 5 |  |  |  |  |  |  |  |  |  |  | 2 |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 100 | 100 | 67 | 33 | 33 |  | 100 | 100 | 100 |  |  |
|  | 3 |  |  | 33 |  |  | 33 |  |  |  | 67 |  |
|  | 4 |  |  |  | 67 | 67 | 67 |  |  |  | 33 | 33 |
|  | 5 |  |  |  |  |  |  |  |  |  |  | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 30330205 | 76121014 | Physical therapist | ( 1)25468<br>( 1)10101804 | ( 3)100202<br>( 3)BLANK | 545<br>7 | 22322322244<br>DIJMP | L3456<br>I |
| 30330208 | 76124010 | Manual-arts therapist | ( 1)25537<br>( 1)10243899 | ( 3)100202<br>( 3)BLANK | 444<br>7 | 22244422235<br>VDP | L<br>I7 |
| 30330211 | 76361010 | Corrective therapist | ( 1)25541<br>( 1)10101808 | ( 3)100202<br>( 3)BLANK | 424<br>7 | 22244422235<br>VDP | M456<br>I47 |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 3034 SPEECH PATHOLOGISTS AND AUDIOLOGISTS

Workers in this field provide direct services to people by evaluating their speech, language, or hearing disorders and providing treatment. They help clients whose disorders result from causes such as hearing loss, brain injury, cleft palate, mental retardation, emotional problems, or foreign dialect. Some do research to find causes of speech and hearing disorders and better methods to treat them. Others teach or do consulting work.

### CODING TABLES

Total count = 2

```
PHY     S   L   M   H   V
freq        2
%         100

PHY     2   3   4   5   6
freq            2   2   2
%             100 100 100
```

```
TEMP    D   F   I   J   M   P   R   S   T   V
freq    1           2   1   2
%      50         100  50 100
```

```
                  attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   1   1        =  2
   %                     50  50
 M freq               1   1            =  2
   %                 50  50
 L freq                   1   1        =  2
   %                     50  50
```

```
SVP     1   2   3   4   5   6   7   8   9
freq                            2
%                             100
```

```
ENV     I   O   B   2   3   4   5   6   7
freq    2
%     100
```

```
APT       G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1   2   2
      2           1       2
      3           1   2       2   2   2   2
      4                                           2
      5                                       2
                         percent
range 1 100 100
      2          50     100
      3          50 100     100 100 100 100
      4                                         100
      5                                     100
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 30340205 | 76101010 | Audiologist | ( 2)25538<br>( 2)10101803 | ( 2)020304<br>( 2)BLANK | 545<br>7 | 11232333354<br>DJMP | L456<br>I |
| 30340208 | 76107010 | Speech pathologist | ( 2)25538<br>( 2)10101803 | ( 2)020304<br>( 2)BLANK | 656<br>7 | 11332333354<br>PJ | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 3039 THERAPIST, N.E.C.

These workers plan, organize, and direct therapy programs designed to relieve patients' pain and develop or restore their physical and mental health. They consult with medical and professional staff to plan physical, occupational, recreational, and other programs. Most specialize in one type of therapy, such as musical, or athletic programs. They work directly with patients in hospitals, clinics, and other facilities. They watch patients' progress in therapy and prepare reports for use by doctors and other professionals. Some specialize in serving the needs of newly blinded patients.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 5 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 3 | 5 | 2 |
| % |  |  | 60 | 100 | 40 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 |  | 1 | 2 | 4 | 4 |  |  |  | 3 |
| % | 80 |  | 20 | 40 | 80 | 80 |  |  |  | 60 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 2 | 2 | 1 |  | = 5 |
| % |  |  |  | 40 | 40 | 20 |  |  |
| M freq |  | 2 |  | 1 | 2 |  |  | = 5 |
| % |  | 40 |  | 20 | 40 |  |  |  |
| L freq |  |  |  | 2 | 2 | 1 |  | = 5 |
| % |  |  |  | 40 | 40 | 20 |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  |  |  | 1 | 3 | 1 |  |
| % |  |  |  |  |  | 20 | 60 | 20 |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 |  |  |  |  |  |  |  |  |
| % | 100 |  |  |  |  |  |  |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 5 | 5 | 1 | 1 | 1 | 1 |  |  |  |  |  |
|  | 3 |  |  | 4 | 2 | 2 | 3 | 2 | 4 | 4 |  | 1 |
|  | 4 |  |  |  | 2 | 2 | 1 | 3 | 1 | 1 | 4 | 2 |
|  | 5 |  |  |  |  |  |  |  |  |  | 1 | 2 |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 100 | 100 | 20 | 20 | 20 | 20 |  |  |  |  |  |
|  | 3 |  |  | 80 | 40 | 40 | 60 | 40 | 80 | 80 |  | 20 |
|  | 4 |  |  |  | 40 | 40 | 20 | 60 | 20 | 20 | 80 | 40 |
|  | 5 |  |  |  |  |  |  |  |  |  | 20 | 40 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 30390205 | 76117010 | Coordinator of rehabilitation services | ( 2)25522<br>( 2)10101810 | ( 1)110701<br>( 5)BLANK | 555<br>8 | 22344344455<br>DJMP | L56<br>I |
| 30390208 | 76124014 | Recreational therapist | ( 3)25537<br>( 3)10243899 | ( 4)100202<br>( 5)BLANK | 424<br>6 | 22333233344<br>VDP | L45<br>I |
| 30390211 | 76127010 | Art therapist | ( 3)25537<br>( 3)10243899 | ( 4)100202<br>( 5)BLANK | 444<br>7 | 22322343343<br>DMV | L456<br>I |
| 30390214 | 76127014 | Music therapist | ( 3)25537<br>( 3)10243899 | ( 4)100202<br>( 5)BLANK | 656<br>7 | 22244443345<br>IJMP | L5<br>I |
| 30390217 | 76221010 | Orientation therapist for the blind | ( 2)25522<br>( 2)10101810 | ( 4)100202<br>( 5)BLANK | 525<br>7 | 22333333344<br>VDPM | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 304 PHYSICIAN'S ASSISTANT

PHYSICIAN'S ASSISTANTS help doctors treat sick or injured patients. They provide patient services under the direct supervision of a doctor. They talk with patients to get detailed medical information. They also give medical exams and order lab tests. They provide the doctor with information needed to treat patients. They also provide minor medical services. For example, they sew up minor cuts and apply and remove casts. They may assist in surgery and counsel patients on health and disease matters.

```
                              CODING TABLES                       Total count =   1
--------------------------------------------------------    --------------------------------------------------
PHY      S   L   M   H   V                                   SVP      1   2   3   4   5   6   7   8   9
free         1                                               free                             1
%          100                                               %                              100
                                                             --------------------------------------------------
                                                             ENV      I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                                   free     1
free             1   1   1                                   %      100
%              100 100 100                                   --------------------------------------------------
--------------------------------------------------------    APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                                  frequency
free                 1   1                                  range 1
%                  100 100                                        2   1   1       1   1       1
--------------------------------------------------------          3           1           1       1   1       1
                 attributes                                       4
    GED    1   2   3   4   5   6   7   free                         5                                       1
  R free                   1              = 1                                    percent
    %                    100                                range 1
  M free               1                  = 1                     2 100 100     100 100     100
    %                100                                          3         100         100     100 100     100
  L free                   1              = 1                     4
    %                    100                                      5                                     100

--------------------------------------------------------    --------------------------------------------------
                                                            DES Survey     GOE            GED  Aptitudes     Phy. Dem
Unique   DOT                 DOT                            over           over           over over          over
Code     Code                Title                          DES Matrix     USOE           SVP  Temperaments  Env. Cond

30400205  79364018  Physician assistant                     (  1)34016     (  1)100201    545  22322323353   L456
                                                            (  1)10121099  (  1)BLANK     7    JM            I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

### 321 AUTHORS

**AUTHORS** write to entertain and inform people. They create written material for publication in printed from and for spoken use. Some write books, plays, novels, poems, or other works. Others do such things as write words for songs; prepare scripts for radio and TV announcers; or adapt books or plays into scripts for movies. Still others use their knowledge of language to translate spoken or written passages from one language to another or to sign language.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 7 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 3 | 1 |
| % | | | 43 | 43 | 14 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 7 | 3 | 7 | 2 | 1 | | | | |
| % | | 100 | 43 | 100 | 29 | 14 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | 5 | | = 7 |
| % | | | | | 29 | 71 | | |
| M freq | | 6 | 1 | | | | | = 7 |
| % | | 86 | 14 | | | | | |
| L freq | | | | | 2 | 5 | | = 7 |
| % | | | | | 29 | 71 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 4 | 2 | |
| % | | | | | | 14 | 57 | 29 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 5 | 5 | | | | | | | | | |
| | 2 | 2 | 2 | | | | | | | | | |
| | 3 | | | 1 | | | | | | | | |
| | 4 | | | 6 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | 5 | | | | | | | | | | 7 | 7 |
| percent | | | | | | | | | | | | |
| range | 1 | 71 | 71 | | | | | | | | | |
| | 2 | 29 | 29 | | | | | | | | | |
| | 3 | | | 14 | | | | | | | | |
| | 4 | | | 86 | 100 | 100 | 100 | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32100205 | 131067034 | Lyricist | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 626<br>7 | 12444444455<br>JF | S5<br>I |
| 32100208 | 131067038 | Playwright | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 626<br>8 | 11444444455<br>JF | S5<br>I |
| 32100211 | 131067042 | Poet | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 626<br>7 | 11444444455<br>IJF | S5<br>I |
| 32100214 | 131067046 | Writer, prose, fiction and nonfiction | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 636<br>8 | 11344444455<br>JF | S4<br>I |
| 32100217 | 131087010 | Continuity writer | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 525<br>7 | 22444444455<br>JMFI | S4<br>I |
| 32100220 | 131087014 | Reader | ( 1)25493<br>( 1)10221205 | ( 1)010101<br>( 7)BLANK | 525<br>6 | 21444444455<br>FIJ | S6<br>I |
| 32100223 | 131087018 | Screen writer | ( 6)25436<br>( 6)10221201 | ( 6)010102<br>( 7)BLANK | 626<br>7 | 11444444455<br>JFMP | S4<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

26 Associated DOT Titles

## 322 DESIGNERS

These people design products used in homes, businesses, and industries. They design all kinds of products, including toys, furniture, cars, clothes, and bank notes. Some plan home and office decorations or design sets for movie, stage, and TV productions. Others arrange flowers to decorate homes, churches, and offices or design ads to display and describe products, events, and services. DESIGNERS may use a variety of tools and equipment, including artist tools, and hand and power equipment.

### CODING TABLES

Total count = 26

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 14 | 11 | 1 | | |
| % | 54 | 42 | 4 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 2 | 23 | 15 | 25 |
| % | | 8 | 88 | 58 | 96 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | 23 | 4 | 21 | 5 | 9 | | | 10 | 3 |
| % | 27 | 88 | 15 | 81 | 19 | 35 | | | 38 | 12 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 8 | 18 | | | = 26 |
| % | | | | 31 | 69 | | | |
| M freq | | 3 | 19 | 4 | | | | = 26 |
| % | | 12 | 73 | 15 | | | | |
| L freq | | | 3 | 18 | 5 | | | = 26 |
| % | | | 12 | 69 | 19 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 3 | 13 | 10 | |
| % | | | | | | 12 | 50 | 38 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 25 | | 1 | 1 | | 1 | | 1 | |
| % | 96 | | 4 | 4 | | 4 | | 4 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | | | 2 | 1 | | | | | | 2 |
| | 2 | 23 | 18 | 3 | 23 | 24 | | 6 | 17 | 3 | | 20 |
| | 3 | 2 | 7 | 22 | 1 | 1 | 14 | 17 | 5 | 20 | | 2 |
| | 4 | | 1 | 1 | | | 12 | 3 | 4 | 3 | 5 | |
| | 5 | | | | | | | | | | 21 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 4 | | | 8 | 4 | | | | | | 8 |
| | 2 | 88 | 69 | 12 | 88 | 92 | | 23 | 65 | 12 | | 77 |
| | 3 | 8 | 27 | 85 | 4 | 4 | 54 | 65 | 19 | 77 | | 8 |
| | 4 | | 4 | 4 | | | 46 | 12 | 15 | 12 | 19 | |
| | 5 | | | | | | | | | | 81 | 8 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32200205 | 141031010 | Art director | ( 4)25426<br>( 4)10221601 | ( 20)010203<br>( 4)17070000 | 535<br>8 | 22322333352<br>DFIJP | S456<br>I |
| 32200208 | 141061018 | Graphic designer | ( 4)25426<br>( 4)10221601 | ( 20)010203<br>( 4)17070000 | 534<br>7 | 22322333352<br>JF | S456<br>I |
| 32200211 | 141067010 | Creative director | ( 4)25426<br>( 4)10221601 | ( 20)010203<br>( 3)04010000 | 535<br>8 | 22322344452<br>DFIP | S56<br>I |
| 32200214 | 141081014 | Commercial designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 4)17070000 | 534<br>7 | 22322332352<br>JF | S46<br>I |
| 32200217 | 142031010 | Art director | ( 4)25426<br>( 4)10221601 | ( 20)010203<br>( 4)17070100 | 535<br>8 | 12322422352<br>DFJ | S56<br>I |
| 32200220 | 142031014 | Manager, display | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 3)04010000 | 534<br>7 | 22322434452<br>DFJPV | L456<br>I |
| 32200223 | 142051010 | Display designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 2)17070200 | 534<br>7 | 23322432342<br>JF | S46<br>B |
| 32200226 | 142051014 | Interior designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 4)17070100 | 534<br>7 | 22322332352<br>DPIJF | L456<br>I |
| 32200229 | 142061010 | Bank-note designer | ( 17)25489<br>( 17)10221001 | ( 1)010601<br>( 4)17070000 | 434<br>8 | 23311422351<br>VJF | S456<br>I |
| 32200232 | 142061014 | Cloth designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 6)17070300 | 434<br>7 | 22222433352<br>JF | S456<br>I |
| 32200235 | 142061018 | Clothes designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 6)BLANK | 535<br>7 | 22322332352<br>VJTF | L456<br>I |
| 32200238 | 142061022 | Furniture designer | ( 17)25489<br>( 17)10221001 | ( 20)010203<br>( 6)17070300 | 544<br>7 | 23222332352<br>JFMT | S456<br>I |

```
32200241 142061026 Industrial desisner                       ( 17)25489     ( 20)010203   544  22322332352  S456
                                                             ( 17)10221001  (  6)17070300 7    PJF          I

32200244 142061034 Ornamental-metalwork desisner             ( 17)25489     (  2)010202   544  34322432242  L456
                                                             ( 17)10221001  (  6)17070300 8    JMT          I6

32200247 142061038 Safety-clothing-and-equipment             (  1)29000     (  1)050107   535  22222422355  L45
                   developer                                 (  1)10243899  (  6)BLANK    8    PFT          I

32200250 142061042 Set decorator                             ( 17)25489     ( 20)010203   524  22322444451  S6
                                                             ( 17)10221001  (  4)17070100 8    DPJF         I

32200253 142061046 Set desisner                              ( 17)25489     ( 20)010203   534  22322422352  S46
                                                             ( 17)10221001  (  6)BLANK    8    FMT          I

32200256 142061050 Set desisner                              ( 17)25489     ( 20)010203   534  22312422352  L456
                                                             ( 17)10221001  (  4)17070100 8    DPTJF        I

32200259 142061054 Stained slass artist                      ( 17)25489     (  2)010202   534  22322332352  S46
                                                             ( 17)10221001  (  6)17070300 8    FJ           I

32200262 142081010 Floral desisner                           ( 17)25489     ( 20)010203   433  33332332252  L46
                                                             ( 17)10221001  (  1)04050000 6    JF           I24

32200265 142081014 Fur desisner                              (  1)25528     ( 20)010203   424  22422332343  L456
                                                             (  1)10221003  (  6)BLANK    7    FJPT         I

32200268 142081018 Packase desisner                          ( 17)25489     ( 20)010203   534  22322332352  S46
                                                             ( 17)10221001  (  6)17070300 7    JF           I

32200271 142281010 Corsist                                   ( 17)25489     ( 20)010203   424  23322432252  L46
                                                             ( 17)10221001  (  6)BLANK    6    FJT          I

32200274 298081010 Displaver, merchandise                    (  2)55A93     ( 20)010203   433  23322444342  M346
                                                             (  2)50141000  (  3)04010000 6    FIJ          I

32200277 298381010 Decorator                                 (  2)55A93     (  1)010602   443  23323333343  L346
                                                             (  2)50141000  (  2)17070200 7    MT           I

32200280 761281014 Experimental-box tester                   (  1)59001     (  1)050502   434  22322323355  L46
                                                             (  1)50144899  (  6)BLANK    7    MT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 323 MUSICIANS AND COMPOSERS

People in these jobs write, arrange, sing to, play, or direct music. They usually specialize in either popular or classical music. They may play a musical instrument, or direct a symphony or choral group. Some sing before audiences or on records. Others compose music for movies, operas, ballets, and symphony orchesteras. MUSICIANS may work alone or as part of a band, rock group, or some other musical group. They may perform on radio, on stage, or in TV or movie productions.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 7 | | | |
| % | 36 | 64 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 8 | 9 | 7 |
| % | | | 73 | 82 | 64 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | 8 | | 10 | 4 | 5 | | | 3 | 1 |
| % | 27 | 73 | | 91 | 36 | 45 | | | 27 | 9 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 5 | 4 | | = 11 |
| % | | | | 18 | 45 | 36 | | |
| M freq | | | 6 | 5 | | | | = 11 |
| % | | | 55 | 45 | | | | |
| L freq | | | 2 | 2 | 6 | 1 | | = 11 |
| % | | | 18 | 18 | 55 | 9 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 5 | 4 |
| % | | | | | | | 18 | 45 | 36 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 1 | | | | 1 | | |
| % | 91 | | 9 | | | | 9 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 7 | 4 | | | | | | | | | |
| | 2 | 3 | 7 | 2 | | 4 | 7 | 4 | 2 | 1 | | |
| | 3 | 1 | | 9 | 5 | 6 | 3 | 2 | 6 | 5 | 1 | |
| | 4 | | | | 5 | 1 | 1 | 5 | 3 | 5 | 3 | 3 |
| | 5 | | | | 1 | | | | | | 7 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | 64 | 36 | | | | | | | | | |
| | 2 | 27 | 64 | 18 | | 36 | 64 | 36 | 18 | 9 | | |
| | 3 | 9 | | 82 | 45 | 55 | 27 | 18 | 55 | 45 | 9 | |
| | 4 | | | | 45 | 9 | 9 | 45 | 27 | 45 | 27 | 27 |
| | 5 | | | | 9 | | | | | | 64 | 73 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32300205 | 152041010 | Musician, instrumental | ( 1)25456<br>( 1)10221404 | ( 1)010404<br>( 11)BLANK | 533<br>8 | 22343222234<br>JF | L456<br>B5 |
| 32300208 | 152047010 | Choral director | ( 1)25420<br>( 6)10243899 | ( 3)010401<br>( 11)BLANK | 535<br>8 | 12332223344<br>DPJF | L456<br>I |
| 32300211 | 152047014 | Conductor, orchestra | ( 2)25455<br>( 2)10221408 | ( 3)010401<br>( 11)BLANK | 533<br>9 | 12332223345<br>DPJF | L456<br>I |
| 32300214 | 152047018 | Director, music | ( 2)25455<br>( 2)10221408 | ( 3)010401<br>( 11)BLANK | 545<br>9 | 11332322455<br>VDPJF | L45<br>I |
| 32300217 | 152047022 | Singer | ( 1)25480<br>( 1)10221405 | ( 1)010403<br>( 11)BLANK | 434<br>8 | 22344344455<br>JFP | L5<br>I |
| 32300220 | 152067010 | Arranger | ( 5)29000<br>( 6)10243899 | ( 6)010402<br>( 11)BLANK | 645<br>8 | 11233233355<br>JMF | S56<br>I |
| 32300223 | 152067014 | Composer | ( 5)29000<br>( 6)10243899 | ( 6)010402<br>( 11)BLANK | 646<br>9 | 11343244455<br>JF | S4<br>I |
| 32300226 | 152067018 | Cue selector | ( 5)29000<br>( 6)10243899 | ( 6)010402<br>( 11)BLANK | 645<br>9 | 12342443455<br>JT | L456<br>I |
| 32300229 | 152067022 | Orchestrator | ( 5)29000<br>( 6)10243899 | ( 6)010402<br>( 11)BLANK | 645<br>8 | 11233233355<br>JMF | S5<br>I |
| 32300232 | 152267010 | Copyist | ( 5)29000<br>( 6)10243899 | ( 6)010402<br>( 11)BLANK | 535<br>7 | 22343343354<br>MT | S46<br>I |
| 32300235 | 152367010 | Prompter | ( 1)61900<br>( 1)40066898 | ( 6)010402<br>( 11)BLANK | 434<br>7 | 32353244445<br>MPTJ | L456<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

23 Associated DOT Titles

## 324 ACTORS AND DIRECTORS

People in these jobs work in stage, movie, TV, radio, and other productions. Some act out parts or roles to entertain, inform, or instruct audiences. Others direct or produce stage or screen production. New **ACTORS** and **ACTRESSES** often start in 'bit' parts where they speak only a few lines. They may progress to larger supporting roles, but only a few become well-known stars. **DIRECTORS** plan and supervise radio, TV, movie, and screen production. **PRODUCERS** select scripts, control finances, and handle other production problems.

### CODING TABLES

Total count = 23

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 9 | 13 | | | 1 |
| % | 39 | 57 | | | 4 |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 2 | 2 | 2 | 21 | 4 |
| % | 9 | 9 | 9 | 91 | 17 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 17 | 6 | | 16 | 1 | 21 | 1 | 2 | 2 | 16 |
| % | 74 | 26 | | 70 | 4 | 91 | 4 | 9 | 9 | 70 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | 1 | 1 | 4 | 15 | 2 | | = 23 |
| % | | 4 | 4 | 17 | 65 | 9 | | |
| M freq | 2 | 5 | 6 | 8 | 2 | | | = 23 |
| % | 9 | 22 | 26 | 35 | 9 | | | |
| L freq | | 2 | 2 | 4 | 13 | 2 | | = 23 |
| % | | 9 | 9 | 17 | 57 | 9 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 1 | | 2 | 1 | 8 | 10 | |
| % | | 4 | 4 | | 9 | 4 | 35 | 43 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 19 | | 4 | | | | | | |
| % | 83 | | 17 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 6 | 2 | | | | | | | | | |
| | 2 | 13 | 17 | 2 | 2 | 1 | 1 | | | | | |
| | 3 | 4 | 4 | 14 | 10 | 8 | 12 | 1 | 1 | 2 | 1 | 3 |
| | 4 | | | 5 | 11 | 14 | 7 | 21 | 21 | 20 | 3 | 2 |
| | 5 | | | 2 | | | 3 | 1 | 1 | 1 | 19 | 18 |
| percent | | | | | | | | | | | | |
| range | 1 | 26 | 9 | | | | | | | | | |
| | 2 | 57 | 74 | 9 | 9 | 4 | 4 | | | | | |
| | 3 | 17 | 17 | 61 | 43 | 35 | 52 | 4 | 4 | 9 | 4 | 13 |
| | 4 | | | 22 | 48 | 61 | 30 | 91 | 91 | 87 | 13 | 9 |
| | 5 | | | 9 | | | 13 | 4 | 4 | 4 | 83 | 78 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32400205 | 150027010 | Dramatic coach | ( 2)29000<br>( 2)10243899 | ( 10)010301<br>( 23)BLANK | 525<br>7 | 22334344455<br>DPJF | L5<br>I |
| 32400208 | 150047010 | Actor | ( 3)25402<br>( 3)10220200 | ( 1)010302<br>( 23)BLANK | 525<br>7 | 22533544435<br>FJPSV | L5<br>I |
| 32400211 | 150067010 | Director, stage | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 535<br>8 | 12423344443<br>VDPJF | L56<br>I |
| 32400214 | 150147010 | Narrator | ( 1)25453<br>( 1)10222401 | ( 1)010303<br>( 23)BLANK | 525<br>5 | 22344444455<br>FJPV | L5<br>I |
| 32400217 | 159067010 | Director, motion picture | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 545<br>8 | 12333344455<br>VDPJ | S56<br>B |
| 32400220 | 159067014 | Director, television | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 545<br>8 | 12333344455<br>VDPJ | L56<br>I |
| 32400223 | 159117010 | Producer | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 646<br>8 | 11343444455<br>VDPJ | L5<br>I |
| 32400226 | 159167014 | Director, radio | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 434<br>6 | 22344344455<br>DPT | L5<br>I |
| 32400229 | 159167018 | Manager, stage | ( 2)29000<br>( 2)10243899 | ( 10)010301<br>( 23)BLANK | 434<br>7 | 22334343343<br>DJPV | L5<br>I |
| 32400232 | 159267010 | Director, casting | ( 15)19000<br>( 15)20061699 | ( 10)010301<br>( 23)BLANK | 534<br>7 | 22344255553<br>VPJ | L5<br>I |
| 32400235 | 159647014 | Extra | ( 3)25402<br>( 3)10220200 | ( 2)010801<br>( 23)BLANK | 222<br>2 | 33444544455<br>R | L<br>B |
| 32400238 | 184117010 | Director, public service | ( 15)19000<br>( 15)20061699 | ( 1)110903<br>( 23)BLANK | 545<br>8 | 22344444455<br>DPJ | S5<br>I |

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32400241 184167014  Director, news                      ( 15)19000     (  1)110801  535  22344344455  S5
                                                        ( 15)20061699  ( 23)BLANK   8    BJPS         I

32400244 184167022  Director, operations, broadcast     ( 15)19000     (  5)110502  535  22444344455  S5
                                                        ( 15)20061699  ( 23)BLANK   8    VDPJ         I

32400247 184167030  Director, program                   ( 15)19000     (  5)110502  545  12344344455  S5
                                                        ( 15)20061699  ( 23)BLANK   8    VDPJF        I

32400250 184167034  Director, sports                    ( 15)19000     (  5)110502  545  21333344455  S5
                                                        ( 15)20061699  ( 23)BLANK   8    VDPM         B

32400253 184167074  Manager, production                 ( 15)19000     (  5)110502  544  22444344455  S5
                                                        ( 15)20061699  ( 23)BLANK   7    VDPJ         I

32400256 187167174  Producer                            ( 15)19000     (  1)010101  656  12224444455  S5
                                                        ( 1[illegible]20061699  ( 23)BLANK   8    DPJ          I

32400259 187167178  Producer                            ( 15)19000     ( 10)010301  545  22342444454  L5
                                                        ( 15)20061699  ( 23)BLANK   7    VDPJ         I

32400262 187167182  Producer, assistant                 ( 15)19000     (  5)110502  555  22233444455  S5
                                                        ( 15)20061699  ( 23)BLANK   7    BPV          I

32400265 961364010  Double                              (  3)25402     (  2)010801  312  33534534445  L23
                                                        (  3)10220200  ( 23)BLANK   3    F            B

32400268 962167014  Program assistant                   (  1)61385     ( 10)010301  423  33333344454  L45
                                                        (  1)40066847  ( 23)BLANK   5    VP           I

32400271 962167018  Property coordinator                (  1)55C22     (  1)050206  413  33434444355  V23456
                                                        (  1)80001011  ( 23)BLANK   7    VDPT         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

15 Associated DOT Titles

### 325 PAINTERS, SCULPTORS, CRAFT-ARTISTS, AND ARTIST-PRINTMAKERS

These people create, copy, or restore paintings, drawings, sculpture, and other art works. They may create art works or designs for use in business or industry or for use as decorations. Their duties range from designing and constructing movie scenery to creating original paintings or sculptures. They may create designs to illustrate books, advertise products, or show medical procedures. They use a variety of artist tools and materials. In some cases, they use power tools and machinery as well.

CODING TABLES

Total count = 15

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 8 | 5 | 1 | 1 | |
| % | 53 | 33 | 7 | 7 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 14 | 1 | 15 |
| % | | | 93 | 7 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 15 | 2 | 15 | 1 | 1 | | | 6 | |
| % | 7 | 100 | 13 | 100 | 7 | 7 | | | 40 | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 3 | 12 | | | = 15 |
| % | | | | 20 | 80 | | | |
| M freq | 1 | 8 | 2 | 4 | | | | = 15 |
| % | 7 | 53 | 13 | 27 | | | | |
| L freq | | 1 | 2 | 11 | 1 | | | = 15 |
| % | | 7 | 13 | 73 | 7 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | 8 | 5 | |
| % | | | | | 7 | 7 | 53 | 33 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | 1 | 2 | | | | | | |
| % | 80 | 7 | 13 | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | |
| range 1 | | | | 7 | 8 | | | 10 | | | 4 |
| 2 | 15 | 11 | | 7 | 5 | | 12 | 3 | 13 | | 7 |
| 3 | | 4 | 11 | 1 | 2 | 6 | 3 | 2 | 2 | | 2 |
| 4 | | | 4 | | | 8 | | | | | 1 |
| 5 | | | | | | 1 | | | | 15 | 1 |
| percent | | | | | | | | | | | |
| range 1 | | | | 47 | 53 | | | 67 | | | 27 |
| 2 | 100 | 73 | | 47 | 33 | | 80 | 20 | 87 | | 47 |
| 3 | | 27 | 73 | 7 | 13 | 40 | 20 | 13 | 13 | | 13 |
| 4 | | | 27 | | | 53 | | | | | 7 |
| 5 | | | | | | 7 | | | | 100 | 7 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32500205 | 102261014 | Paintings restorer | ( 1)34022<br>( 1)10221605 | ( 4)010202<br>( 11)BLANK | 544<br>8 | 23411331251<br>JFT | L46<br>I |
| 32500208 | 141051010 | Color expert | ( 2)25489<br>( 2)10221001 | ( 9)010203<br>( 2)17070000 | 524<br>7 | 22333333352<br>PIJF | L56<br>I |
| 32500211 | 141061010 | Cartoonist | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 2)17070000 | 524<br>7 | 22422421252<br>IFJ | S46<br>I |
| 32500214 | 141061014 | Fashion artist | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 11)BLANK | 524<br>7 | 22321321252<br>JF | S46<br>I |
| 32500217 | 141061022 | Illustrator | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 11)BLANK | 524<br>7 | 22311321251<br>JF | S46<br>I |
| 32500220 | 141061026 | Illustrator, medical and scientific | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 11)BLANK | 545<br>7 | 22311321252<br>FJMT | S46<br>I |
| 32500223 | 141061030 | Illustrator, set | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 1)17070100 | 534<br>8 | 22311321251<br>JF | S46<br>I |
| 32500226 | 141081010 | Cartoonist, motion pictures | ( 6)25426<br>( 6)10221601 | ( 9)010203<br>( 11)BLANK | 524<br>7 | 22422421252<br>JF | S46<br>I |
| 32500229 | 142061030 | Memorial designer | ( 2)25489<br>( 2)10221001 | ( 9)010203<br>( 11)BLANK | 443<br>7 | 23322422254<br>DJFT | L46<br>I |
| 32500232 | 144061010 | Painter | ( 1)25461<br>( 1)10221604 | ( 4)010202<br>( 11)BLANK | 524<br>8 | 22311421251<br>JTF | L46<br>B |
| 32500235 | 144061014 | Printmaker | ( 3)29000<br>( 3)10243899 | ( 9)010203<br>( 1)17190300 | 524<br>8 | 22311421252<br>JFT | S46<br>I |
| 32500238 | 144061018 | Sculptor | ( 3)29000<br>( 3)10243899 | ( 4)010202<br>( 11)BLANK | 534<br>8 | 22311521253<br>JFT | L46<br>I |

```
32500241 149041010  Quick sketch artist                      (  3)29000     (  4)010202   513  23422422252  S46
                                                             (  3)10243899  ( 11)BLANK    6    JF           B

32500244 777081010  Modeler                                  (  1)55L59     (  2)010602   444  22323433353  H46
                                                             (  1)61088830  ( 11)BLANK    5    JF           I

32500247 777281010  Concrete sculptor                        (  1)55L47     (  2)010602   422  23322422255  H46
                                                             (  1)50062201  ( 11)BLANK    7    FJ           0
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 326 PHOTOGRAPHERS

**PHOTOGRAPHERS** use still and motion-picture cameras to portray things, people, places, and events. They use a variety of cameras and lenses and many types of film. They may use special lighting equipment, such as flash units, floodlights and reflectors. Some develop and print their own photographs and enlarge and otherwise change filmed images. Many specialize in a certain type of photography, such as portrait, commercial, or industrial work. Some cover weddings and other events.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 11 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 10 | 6 | 11 |
| % |  |  | 91 | 55 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 5 | 1 | 8 | 1 | 5 | 1 |  | 10 | 3 |
| % | 9 | 45 | 9 | 73 | 9 | 45 | 9 |  | 91 | 27 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  | 1 | 9 | 1 |  |  | = 11 |
| % |  |  | 9 | 82 | 9 |  |  |  |
| M freq | 1 | 2 | 7 | 1 |  |  |  | = 11 |
| % | 9 | 18 | 64 | 9 |  |  |  |  |
| L freq |  |  | 5 | 6 |  |  |  | = 11 |
| % |  |  | 45 | 55 |  |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 1 |  |  | 3 | 6 | 1 |  |
| % |  |  | 9 |  |  | 27 | 55 | 9 |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 |  | 7 |  |  |  | 1 | 1 |  |
| % | 36 |  | 64 |  |  |  | 9 | 9 |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  | 1 |
|  | 2 | 7 | 3 | 1 | 8 | 9 |  |  |  |  |  | 6 |
|  | 3 | 4 | 7 | 10 | 1 | 1 | 1 | 8 | 9 | 9 |  |  |
|  | 4 |  | 1 |  | 1 | 1 | 10 | 3 | 2 | 2 | 1 |  |
|  | 5 |  |  |  | 1 |  |  |  |  |  | 10 | 4 |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  | 9 |
|  | 2 | 64 | 27 | 9 | 73 | 82 |  |  |  |  |  | 55 |
|  | 3 | 36 | 64 | 91 | 9 | 9 | 9 | 73 | 82 | 82 |  |  |
|  | 4 |  | 9 |  | 9 | 9 | 91 | 27 | 18 | 18 | 9 |  |
|  | 5 |  |  |  | 9 |  |  |  |  |  | 91 | 36 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32600205 | 143062010 | Director of photography | ( 10)25200<br>( 10)10221801 | ( 5)010203<br>( 9)BLANK | 544<br>8 | 22222444451<br>DJFTV | L56<br>B |
| 32600208 | 143062014 | Photographer, aerial | ( 10)25200<br>( 10)10221801 | ( 1)010601<br>( 9)BLANK | 433<br>7 | 23322433352<br>JT | L46<br>B56 |
| 32600211 | 143062018 | Photographer, apprentice | ( 10)25200<br>( 10)10221801 | ( 5)010203<br>( 9)BLANK | 434<br>7 | 23322433352<br>PJFT | L456<br>B |
| 32600214 | 143062022 | Photographer, motion picture | ( 1)25205<br>( 1)10221802 | ( 5)010203<br>( 9)BLANK | 434<br>7 | 23322433352<br>PJFT | L456<br>B |
| 32600217 | 143062026 | Photographer, scientific | ( 10)25200<br>( 10)10221801 | ( 1)020401<br>( 9)BLANK | 434<br>7 | 23322433352<br>VJT | L46<br>I |
| 32600220 | 143062030 | Photographer, still | ( 10)25200<br>( 10)10221801 | ( 5)010203<br>( 1)04150000 | 434<br>7 | 23322433352<br>PJFT | L456<br>B |
| 32600223 | 143062034 | Photojournalist | ( 10)25200<br>( 10)10221801 | ( 5)010203<br>( 9)BLANK | 424<br>7 | 33322333355<br>PJFT | L456<br>B |
| 32600226 | 143362010 | Biological photographer | ( 10)25200<br>( 10)10221801 | ( 1)020402<br>( 9)BLANK | 433<br>6 | 22322433342<br>VJT | L46<br>B |
| 32600229 | 143382010 | Camera operator, animation | ( 10)25200<br>( 10)10221801 | ( 2)051005<br>( 9)BLANK | 433<br>6 | 33332433355<br>RMT | L46<br>I |
| 32600232 | 143382014 | Photographer, finish | ( 10)25200<br>( 10)10221801 | ( 2)051005<br>( 9)BLANK | 423<br>6 | 34343443355<br>T | L46<br>I |
| 32600235 | 143457010 | Photographer | ( 10)25200<br>( 10)10221801 | ( 1)080301<br>( 1)04180000 | 313<br>3 | 32354444455<br>PI | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 327 DANCERS

DANCERS make up and perform dances. They use movements to interpret an idea or a story, or to express rhythm and sound. They may perform in ballets, in dance routines in musical shows, in folk and jazz dances, or in other kinds of dancing. They may dance in a group, with a partner, or by themselves. They may act or sing as well as dance in movies, opera, or TV shows. Many DANCERS combine stagework with teaching. Some become CHOREOGRAPHERS, who create new dances, teach them to performers and sometimes direct and stage dance routines.

CODING TABLES

Total count =   2

```
PHY      S   L   M   H   V
freq         1       1
%           50      50

PHY      2   3   4   5   6
freq     1   1   1   1   1
%       50  50  50  50  50
------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     1   2       2       1           1   1
%       50 100     100      50          50  50
------------------------------------------------
              attributes
   GED   1   2   3   4   5   6   7   freq
 R freq              1   1            =  2
   %                50  50
 M freq      1   1                    =  2
   %        50  50
 L freq              1   1            =  2
   %                50  50
------------------------------------------------
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                             1   1
%                               50  50
------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     2
%      100
------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1                                        1
      2    2   1       1           1           1
      3        1   2   1   2           1   2       1
      4                        2   1   1           1
      5
                       percent
range 1                                       50
      2  100  50      50          50          50
      3       50 100  50 100          50 100      50
      4                      100  50  50          50
      5
------------------------------------------------
```

```
Unique   DOT                 DOT
Code     Code                Title

32700205 151027010  Choreographer

32700208 151047010  Dancer
```

```
OES Survey     GOE            GED  Aptitudes     Phy. Dem
over           over           over over          over
OES Matrix     USOE           SVP  Temperaments  Env. Cond

(  2)25431     (  1)010501    535  22333444323   L56
(  2)10220000  (  2)BLANK     8    DFJPV         I

(  2)25431     (  1)010502    424  23323423314   H234
(  2)10220000  (  2)BLANK     7    FJT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

27 Associated DOT Titles

### 328 PERFORMERS, N.E.C.

These people perform feats to amaze and entertain audiences in a variety of settings, including circuses, rodeos, fairs, water shows, and amusement parks. For example, some do magic tricks, operate puppets, or dress up as clowns. Some tell fortunes or read horoscopes. Some work as jugglers, snake charmers, or fire eaters. Some perform stunts for movie or TV productions. Some train animals to do clever tricks.

CODING TABLES

Total count = 27

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 15 | 6 | 1 | 2 |
| % | 11 | 56 | 22 | 4 | 7 |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 11 | 8 | 20 | 18 | 14 |
| % | 41 | 30 | 74 | 67 | 52 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | 14 | 4 | 16 | 1 | 23 | 2 | 8 | 6 | 9 |
| % | 15 | 52 | 15 | 59 | 4 | 85 | 7 | 30 | 22 | 33 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 3 | 13 | 8 | 3 | | | = 27 |
| % | | 11 | 48 | 30 | 11 | | | |
| M freq | 2 | 15 | 9 | 1 | | | | = 27 |
| % | 7 | 56 | 33 | 4 | | | | |
| L freq | 4 | 6 | 8 | 8 | 1 | | | = 27 |
| % | 15 | 22 | 30 | 30 | 4 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 3 | 1 | 3 | 6 | 10 | 3 | 1 | |
| % | | 11 | 4 | 11 | 22 | 37 | 11 | 4 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 18 | 1 | 8 | | | 3 | 1 | 7 | |
| % | 67 | 4 | 30 | | | 11 | 4 | 26 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | 1 | | | 1 | | 1 | 5 | 1 |
| | 2 | 5 | 6 | | 9 | 4 | | 6 | 6 | 9 | 6 | |
| | 3 | 20 | 18 | 7 | 9 | 9 | 1 | 10 | 7 | 5 | 4 | |
| | 4 | 2 | 3 | 18 | 8 | 14 | 13 | 9 | 13 | 10 | 2 | 5 |
| | 5 | | | 2 | | | 13 | 1 | 1 | 2 | 10 | 21 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | 4 | | | 4 | | 4 | 19 | 4 |
| | 2 | 19 | 22 | | 33 | 15 | | 22 | 22 | 33 | 22 | |
| | 3 | 74 | 67 | 26 | 33 | 33 | 4 | 37 | 26 | 19 | 15 | |
| | 4 | 7 | 11 | 67 | 30 | 52 | 48 | 33 | 48 | 37 | 7 | 19 |
| | 5 | | | 7 | | | 48 | 4 | 4 | 7 | 37 | 78 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32800205 | 159041010 | Magician | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 434<br>6 | 33433422254<br>DFTJ | L456<br>I |
| 32800208 | 159041014 | Puppeteer | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 535<br>8 | 22312412231<br>PJF | L456<br>I |
| 32800211 | 159044010 | Ventriloquist | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 424<br>7 | 22434533355<br>FP | L45<br>I |
| 32800214 | 159047010 | Clown | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 423<br>6 | 33434523224<br>PIJT | L23456<br>B |
| 32800217 | 159047014 | Comedian | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 524<br>5 | 32434434455<br>VPF | L5<br>I |
| 32800220 | 159047018 | Impersonator | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 424<br>6 | 22434444445<br>FPV | L5<br>I |
| 32800223 | 159047022 | Mime | ( 18)29000<br>( 18)10243899 | ( 7)010302<br>( 27)BLANK | 523<br>7 | 23422534424<br>DFJP | L4<br>I |
| 32800226 | 159167010 | Artist and repertoire manager | ( 18)29000<br>( 18)10243899 | ( 1)010401<br>( 27)BLANK | 434<br>7 | 22444444455<br>DFIJP | L5<br>I |
| 32800229 | 159207010 | Astrologer | ( 18)29000<br>( 18)10243899 | ( 3)010701<br>( 27)BLANK | 444<br>4 | 33344344555<br>JMP | S5<br>I |
| 32800232 | 159224010 | Animal trainer | ( 18)29000<br>( 18)10243899 | ( 1)030301<br>( 27)BLANK | 434<br>6 | 33434434335<br>DPSJ | L345<br>B46 |
| 32800235 | 159247010 | Acrobat | ( 8)25481<br>( 8)10222402 | ( 10)120201<br>( 27)BLANK | 322<br>5 | 33323532215<br>VPF | V2356<br>I |
| 32800238 | 159247014 | Aerialist | ( 8)25481<br>( 8)10222402 | ( 10)120201<br>( 27)BLANK | 332<br>6 | 33323532215<br>VPSF | V23456<br>I6 |

```
32800241 159247018  Graphologist                              ( 18)29000      (  3)010701   333  33442444455  S56
                                                              ( 18)10243899   ( 27)BLANK    4    PJF          I

32800244 159341010  Juggler                                   ( 18)29000      ( 10)12[illegible]01   322  33423422215  [illegible]46
                                                              ( 18)10243899   ( 27)BLANK    6    JST          I

32800247 159341014  Stunt performer                           (  8)25481      ( 10)120201   333  33424423115  M23456
                                                              (  8)10222402   ( 27)BLANK    6    PTJS         B6

32800250 159344010  Equestrian                                (  8)25481      ( 10)120201   331  33334533225  M2456
                                                              (  8)10222402   ( 27)BLANK    6    VPJF         I

32800253 159344014  Rodeo performer                           (  8)25481      ( 10)120201   323  33423523225  M2346
                                                              (  8)10222402   ( 27)BLANK    5    VJS          B6

32800256 159344018  Show-horse driver                         ( 18)29000      ( 10)120201   322  33434433335  L24
                                                              ( 18)10243899   ( 27)BLANK    5    PI           B

32800259 159347014  Aquatic performer                         ( 18)29000      ( 10)120201   333  33422423324  M24
                                                              ( 18)10243899   ( 27)BLANK    5    VPJ          I4

32800262 159347018  Thrill performer                          (  8)25481      ( [illegible]120201   322  34423532325  M2346
                                                              (  8)10222402   ( 27)BLANK    5    PTJS         B56

32800265 159347022  Wire walker                               (  8)25481      ( 10)120201   321  33323534215  M2346
                                                              (  8)10222402   ( 27)BLANK    6    VPSF         I6

32800268 159367010  Ring conductor                            ( 18)29000      (  2)010702   424  323335444[illegible]  L56
                                                              ( 18)10243899   ( 27)BLANK    6    PIJT         I

32800271 159647010  Amusement park entertainer                (  8)25481      (  1)010703   222  33444544455  L45
                                                              (  8)10222402   ( 27)BLANK    2    PF           B

32800274 159647018  Psychic reader                            ( 18)29000      (  3)010701   323  33444544455  S45
                                                              ( 18)10243899   ( 27)BLANK    3    FJP          I

32800277 159647022  Show girl                                 ( 18)29000      (  2)010801   211  44544444435  L4
                                                              ( 18)10243899   ( 27)BLANK    2    PR           I

32800280 349247010  Diver                                     (  1)49000      (  2)010702   323  33443444444  M2456
                                                              (  1)70200099   ( 27)BLANK    4    VPS          046

32800283 961667014  Stand-in                                  ( 18)29000      (  2)010801   211  44544555555  L4
                                                              ( 18)10243899   ( 27)BLANK    2    R            B
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

### 329 WRITERS, ARTISTS, AND RELATED WORKERS, N.E.C

These people use their artistic and creative skills to devise materials to entertain or inform people. For example, some write scripts for comedy shows or funny things for performers to say on stage. Some compose texts for operas by fitting words to music. Some create crossword puzzles. Some create scenery used in movie or TV productions. Some prepare drawings used in furniture making.

```
                                  CODING TABLES                                   Total count =  11
-----------------------------------------------------------    ----------------------------------------------------------
PHY      S   L   M   H   V                                      SVP      1   2   3   4   5   6   7   8   9
freq     9   2                                                  freq                     1   3   4   3
%       82  18                                                  %                        9  27  36  27
                                                               ----------------------------------------------------------
                                                                ENV      I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                                      freq    10       1
freq             9   7   8                                      %       91       9
%               82  64  73                                     ----------------------------------------------------------
-----------------------------------------------------------     APT       G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                                        frequency
freq     3   6       8   4   6           3   2                 range 1   4   5
%       27  55      73  36  55          27  18                       2   6   4   3   4   4   2   4   4   2       2
-----------------------------------------------------------           3   1   2   3   2   1   8   1   2   3       1
                  attributes                                         4           5   5   6   1   6   5   6
    GED     1   2   3   4   5   6   7   freq                         5                                      11   8
  R freq                1   6   4        = 11                                         percent
    %                   9  55  36                              range 1  36  45
  M freq    1   4   4   2                = 11                        2  55  36  27  36  36  18  36  36  18      18
    %       9  36  36  18                                            3   9  18  27  18   9  73   9  18  27       9
  L freq            1   3   4   3        = 11                        4          45  45  55   9  55  45  55
    %               9  27  36  27                                    5                                     100  73

-----------------------------------------------------------    ----------------------------------------------------------
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 32900205 | 131067026 | Humorist | ( 3)25436<br>( 3)10221201 | ( 3)010102<br>( 10)BLANK | 626<br>8 | 11444344455<br>PJF | S45<br>I |
| 32900208 | 131067030 | Librettist | ( 3)25436<br>( 3)10221201 | ( 3)010102<br>( 10)BLANK | 626<br>7 | 11444343455<br>JF | S45<br>I |
| 32900211 | 137137010 | Director, translation | ( 1)19000<br>( 1)20061699 | ( 3)110804<br>( 10)BLANK | 535<br>8 | 21244244455<br>DMPV | S56<br>I |
| 32900214 | 137267010 | Interpreter | ( 6)29000<br>( 6)10243899 | ( 3)110804<br>( 10)BLANK | 525<br>6 | 21444344455<br>PM | S45<br>I |
| 32900217 | 137267014 | Interpreter, deaf | ( 6)29000<br>( 6)10243899 | ( 1)010302<br>( 10)BLANK | 434<br>5 | 32443323355<br>JP | L56<br>I |
| 32900220 | 137267018 | Translator | ( 6)29000<br>( 6)10243899 | ( 3)110804<br>( 10)BLANK | 636<br>7 | 11334344455<br>JMT | S46<br>I |
| 32900223 | 139087010 | Crossword-puzzle maker | ( 3)25436<br>( 3)10221201 | ( 3)010102<br>( 10)BLANK | 525<br>6 | 22334344455<br>FT | S46<br>I |
| 32900226 | 149031010 | Supervisor, scenic arts | ( 1)25426<br>( 1)10221601 | ( 2)010203<br>( 1)17070100 | 544<br>8 | 22222332252<br>DJFP | L456<br>I |
| 32900229 | 149051010 | Silhouette artist | ( 6)29000<br>( 6)10243899 | ( 1)010202<br>( 10)BLANK | 513<br>6 | 23422422255<br>JF | S46<br>B |
| 32900232 | 149061010 | Audiovisual production specialist | ( 6)29000<br>( 6)10243899 | ( 2)010203<br>( 10)BLANK | 645<br>7 | 12222222352<br>DFJPV | S456<br>I |
| 32900235 | 149281010 | Furniture reproducer | ( 6)29000<br>( 6)10243899 | ( 1)050302<br>( 10)BLANK | 534<br>7 | 23322322353<br>JMT | S46<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

19 Associated DOT Titles

### 3312 EDITORS

EDITORS coordinate the work of writers and edit writers' material. They direct and perform editorial activities for newspapers, movie or TV studios, publishing companies, and similar organizations. They hire, assign, and supervise staff who write articles, reports, editorials, reviews, and other material. They may supervise workers who gather and edit local news, photograph news events, prepare scripts, or revise material to be published.

### CODING TABLES

Total count = 19

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 19 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 6 | 13 | 18 |
| % | | | 32 | 68 | 95 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | 11 | 4 | 18 | 6 | 12 | | 1 | 6 | 4 |
| % | 63 | 58 | 21 | 95 | 32 | 63 | | 5 | 32 | 21 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | 9 | 8 | | = 19 |
| % | | | | 11 | 47 | 42 | | |
| M freq | | 6 | 13 | | | | | = 19 |
| % | | 32 | 68 | | | | | |
| L freq | | | | 3 | 8 | 8 | | = 19 |
| % | | | | 16 | 42 | 42 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 2 | 3 | 12 | 2 |
| % | | | | | | 11 | 16 | 63 | 11 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 19 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 9 | 14 | | | | | | | | | |
| | 2 | 9 | 5 | | | 1 | 2 | | | | | |
| | 3 | 1 | | 15 | 10 | 12 | 15 | 3 | 2 | 2 | | 1 |
| | 4 | | | 4 | 9 | 6 | 2 | 16 | 17 | 17 | | |
| | 5 | | | | | | | | | | 19 | 18 |
| | | | | | | percent | | | | | | |
| range | 1 | 47 | 74 | | | | | | | | | |
| | 2 | 47 | 26 | | | 5 | 11 | | | | | |
| | 3 | 5 | | 79 | 53 | 63 | 79 | 16 | 11 | 11 | | 5 |
| | 4 | | | 21 | 47 | 32 | 11 | 84 | 89 | 89 | | |
| | 5 | | | | | | | | | | 100 | 95 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 33120205 | 131267022 | Script reader | ( 1)29000<br>( 1)10243899 | ( 1)070502<br>( 19)BLANK | 424<br>6 | 32444333355<br>JMT | S456<br>I |
| 33120208 | 132017010 | Editor, managing, newspaper | ( 6)19000<br>( 6)20061699 | ( 1)110501<br>( 19)BLANK | 636<br>8 | 11333344455<br>VDPIJ | S56<br>I |
| 33120211 | 132017014 | Editor, newspaper | ( 6)19000<br>( 6)20061699 | ( 11)110801<br>( 19)BLANK | 636<br>9 | 11333344455<br>DIJFP | S5<br>I |
| 33120214 | 132017018 | Editor, technical and scientific publications | ( 6)19000<br>( 6)20061699 | ( 11)110801<br>( 19)BLANK | 636<br>9 | 11333344455<br>DPJF | S56<br>I |
| 33120217 | 132037010 | Continuity director | ( 11)25436<br>( 11)10221201 | ( 6)010101<br>( 19)BLANK | 525<br>8 | 21344344455<br>DPJM | S56<br>I |
| 33120220 | 132037014 | Editor, city | ( 6)19000<br>( 6)20061699 | ( 11)110801<br>( 19)BLANK | 636<br>8 | 11343344455<br>VDPJF | S56<br>I |
| 33120223 | 132037018 | Editor, department | ( 6)19000<br>( 6)20061699 | ( 11)110801<br>( 19)BLANK | 535<br>8 | 21343344455<br>VDPJF | S56<br>I |
| 33120226 | 132037022 | Editor, publications | ( 6)19000<br>( 6)20061699 | ( 6)010101<br>( 19)BLANK | 636<br>8 | 11333334455<br>DPJFI | S56<br>I |
| 33120229 | 132037026 | Story editor | ( 11)25436<br>( 11)10221201 | ( 6)010101<br>( 19)BLANK | 626<br>8 | 11434344455<br>DJFSP | S56<br>I |
| 33120232 | 132067010 | Bureau chief | ( 11)25436<br>( 11)10221201 | ( 11)110801<br>( 19)BLANK | 535<br>8 | 21343344455<br>VDPJF | S56<br>I |
| 33120235 | 132067014 | Editor, book | ( 11)25436<br>( 11)10221201 | ( 6)010101<br>( 19)BLANK | 636<br>8 | 11333344455<br>DPIJF | S56<br>I |
| 33120238 | 132067018 | Editor, dictionary | ( 11)25436<br>( 11)10221201 | ( 11)110801<br>( 19)BLANK | 636<br>8 | 11444444455<br>MT | S6<br>I |

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33120241 132067022  Editor, greeting card        ( 11)25436     (  6)010101   525  22344344455  S46
                                                 ( 11)10221201  ( 19)BLANK    6    JF           I

33120244 132067026  Editor, news                 ( 11)25436     ( 11)110801   535  21333334455  S56
                                                 ( 11)10221201  ( 19)BLANK    8    DJMFT        I

33120247 132137010  Assignment editor            ( 11)25436     ( 11)110801   525  11344344455  S56
                                                 ( 11)10221201  ( 19)BLANK    8    DJP          I

33120250 132267010  Editor, telegraph            ( 11)25436     ( 11)110801   434  21333344455  S46
                                                 ( 11)10221201  ( 19)BLANK    7    PJT          I

33120253 132267014  Editorial assistant          ( 11)25436     ( 11)110801   535  22333244455  S46
                                                 ( 11)10221201  ( 19)BLANK    7    JMT          I

33120256 132367010  Editor, index                ( 11)25436     ( 11)110801   535  22443244[illegible]  S46
                                                 ( 11)10221201  ( 19)BLANK    7    JM           I

33120259 962264010  Editor, film                 (  1)25440     (  6)010101   524  22332443353  S46
                                                 (  1)10221202  ( 19)BLANK    8    FJT          I
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## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 3313 REPORTERS

REPORTERS collect and analyze facts about news events and report or write stories about them. They may prepare news stories for publication in a newspaper or for broadcasting on radio or TV. Many REPORTERS specialize in particular subject areas, such as sports, politics, foreign affairs, fashion, or religion. Some write critical reviews of books, music, art work, or plays. Some present news over radio or TV. Some prepare ads, take photographs or write editorials.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 7 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 7 | 5 |
| % | | | 29 | 100 | 71 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 3 | 7 | 7 | 4 | 6 | | | | 5 |
| % | | 43 | 100 | 100 | 57 | 86 | | | | 71 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 5 | 2 | | = 7 |
| % | | | | | 71 | 29 | | |
| M freq | | 4 | 3 | | | | | = 7 |
| % | | 57 | 43 | | | | | |
| L freq | | | | | 5 | 2 | | = 7 |
| % | | | | | 71 | 29 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 5 | 2 | |
| % | | | | | | | 71 | 29 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | 2 | | | | | | |
| % | 71 | | 29 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 3 | 7 | | | | | | | | | |
| | 2 | 4 | | | | | | | | | | |
| | 3 | | | 6 | 1 | 6 | 6 | 6 | | | | 1 |
| | 4 | | | 1 | 6 | 1 | 1 | 1 | 7 | 7 | | |
| | 5 | | | | | | | | | | 7 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | 43 | 100 | | | | | | | | | |
| | 2 | 57 | | | | | | | | | | |
| | 3 | | | 86 | 14 | 86 | 86 | 86 | | | | 14 |
| | 4 | | | 14 | 86 | 14 | 14 | 14 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 86 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 33130205 | 131067010 | Columnist/commentator | ( 2)25412<br>( 2)10222202 | ( 2)110803<br>( 6)BLANK | 636<br>7 | 11343334455<br>VPINJ | S56<br>B |
| 33130208 | 131067014 | Copy writer | ( 4)25436<br>( 4)10221201 | ( 2)010102<br>( 1)04010000 | 525<br>7 | 21343334455<br>IJFMP | S456<br>I |
| 33130211 | 131067018 | Critic | ( 4)25436<br>( 4)10221201 | ( 1)010103<br>( 6)BLANK | 626<br>8 | 11433444453<br>VJFI | S56<br>I |
| 33130214 | 131067022 | Editorial writer | ( 4)25436<br>( 4)10221201 | ( 2)010102<br>( 6)BLANK | 535<br>8 | 11343334455<br>FJIVP | S56<br>I |
| 33130217 | 131267010 | Newscaster | ( 2)25412<br>( 2)10222202 | ( 2)110803<br>( 6)BLANK | 525<br>7 | 21344334455<br>IJMPV | S5<br>I |
| 33130220 | 131267014 | Newswriter | ( 4)25436<br>( 4)10221201 | ( 2)110802<br>( 6)BLANK | 525<br>7 | 21343334455<br>IJMPV | S5<br>I |
| 33130223 | 131267018 | Reporter | ( 1)25476<br>( 1)10221203 | ( 2)110802<br>( 6)BLANK | 535<br>7 | 21343334455<br>PIJ | S456<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 332 PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS

These people help individuals, groups, or organizations promote ideas, services, or products and build a good public image. Some handle press or consumer relations. Some conduct political or fund-raising campaigns. Some represent an interest group and promote a policy on a public issue. In some jobs, they recruit workers or students, or prepare press releases and ads for use in newspapers, radio, and TV. They may make speeches, or plan and conduct sales campaigns.

### CODING TABLES

Total count =   3

```
---------------------------------------------------------
PHY      S   L   M   H   V
freq     2   1
%       67  33


PHY      2   3   4   5   6
freq             1   3   1
%               33 100  33
---------------------------------------------------------
TEMP     B   F   I   J   M   P   R   S   T   V
freq     3   1   3   3       3               1
%      100  33 100 100     100              33
---------------------------------------------------------
                 attributes
     GED     1   2   3   4   5   6   7   freq
   R freq                    3             =  3
     %                     100
   M freq            2   1                 =  3
     %              67  33
   L freq                    3             =  3
     %                     100

---------------------------------------------------------
```

```
---------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             3
%                              100
---------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     3
%      100
---------------------------------------------------------
APT          G   V   N   S   P   Q   K   F   M   E   C
                           frequency
range 1      1   1
      2      2   2   2
      3              1   2   2   3
      4                  1   1       2   2   2   1   2
      5                              1   1   1   2   1
                           percent
range 1     33  33
      2     67  67  67
      3             33  67  67 100
      4                 33  33      67  67  67  33  67
      5                             33  33  33  67  33
---------------------------------------------------------
```

```
                                                 OES Survey    GOE            GED  Aptitudes    Phys. Dem
Unique   DOT                 DOT                 over          over           over over         over
Code     Code                Title               OES Matrix    USOE           SVP  Temperaments Env. Cond

33200205 165017010  Lobbyist                     (  3)25472    (  2)110903    535  22244355555  S5
                                                 (  3)10222000 (  1)BLANK     7    DPIJ         I

33200208 165067010  Public-relations representative
                                                 (  3)25472    (  2)110903    545  11333344454  S56
                                                 (  3)10222000 (  1)04180000  7    VDPIJ        I

33200211 165167010  Sales-service promoter       (  3)25472    (  1)110901    535  22233344444  L45
                                                 (  3)10222000 (  1)14039900  7    DPIJF        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 333 RADIO AND TELEVISION ANNOUNCERS

These People introduce and host radio and TV programs. Many **RADIO ANNOUNCERS** act as disc jockeys. They introduce recorded music, present news, ads, and commentary. They may operate the control board, sell ad time, and write commercials and news copy. **ANNOUNCERS** in TV and large radio stations often specialize in announcing sports, news, or the weather. They may do the research and writing for their own scripts. As well-known personalities, they often are asked to take part in community events.

CODING TABLES                                    Total count =   3

```
--------------------------------------------------
PHY      S  L  M  H  V
freq     1  2
%       33 67

PHY      2  3  4  5  6
freq              3
%               100
--------------------------------------------------
TEMP     D  F  I  J  M   P   R  S  T  V
freq                 1   3         1  2
%                   33 100        33 67
--------------------------------------------------
               attributes
    GED   1  2  3  4  5  6  7  freq
  R freq           1  2          = 3
    %             33 67
  M freq     1  2                = 3
    %       33 67
  L freq           2  1          = 3
    %             67 33
--------------------------------------------------
```

```
--------------------------------------------------
SVP      1  2  3  4  5  6  7  8  9
freq                 1  2
%                   33 67
--------------------------------------------------
ENV      I  O  B  2  3  4  5  6  7
freq     3
%      100
--------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1
      2    3   3
      3            2   1       3
      4            1   2   3       3   3   3       1
      5                                        3   2
                           percent
range 1
      2  100 100
      3           67  33      100
      4           33  67 100      100 100 100     33
      5                                      100  67
--------------------------------------------------
```

```
--------------------------------------------------    --------------------------------------------------
                                                       OES Survey      GOE            GED  Aptitudes     Phy. Dem
 Unique   DOT                   DOT                    over            over           over over          over
 Code     Code                  Title                  OES Matrix      USOE           SVP  Temperaments  Env. Cond

33300205 159147010  Announcer                          (  2)25409      (  2)010303    534  22344344455   L5
                                                       (  2)10222201   (  3)BLANK     6    VPT           I

33300208 159147014  Disk Jockey                        (  2)25409      (  2)010303    535  22344344455   L5
                                                       (  2)10222201   (  3)BLANK     5    VP            I

33300211 159347010  Announcer                          (  1)29000      (  1)010702    424  22434344454   S5
                                                       (  1)10243899   (  3)BLANK     6    PM            I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

29 Associated DOT Titles

## 34 ATHLETES AND RELATED WORKERS

These workers are involved in sports and athletics. Some work as coaches, trainers, or scouts. Some manage business affairs for athletes. Some officiate at sports events as umpires, timers, clockers, judges, starters, or scorers. Some direct activites at sports events. Some engage in physical contact sports, such as professional hockey, football, baseball, or boxing. Some compete in car, motorcycle, horse, or other races.

### CODING TABLES

Total count = 29

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 4 | 15 | 7 | 3 | |
| % | 14 | 52 | 24 | 10 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 7 | 6 | 16 | 17 | 21 |
| % | 24 | 21 | 55 | 59 | 72 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | 1 | 3 | 21 | 16 | 11 | 2 | 9 | 8 | 10 |
| % | 31 | 3 | 10 | 72 | 55 | 38 | 7 | 31 | 28 | 34 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 2 | 9 | 13 | 5 | | | = 29 |
| % | | 7 | 31 | 45 | 17 | | | |
| M freq | 4 | 7 | 13 | 4 | 1 | | | = 29 |
| % | 14 | 24 | 45 | 14 | 3 | | | |
| L freq | 3 | 2 | 14 | 8 | 2 | | | = 29 |
| % | 10 | 7 | 48 | 28 | 7 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 2 | 4 | 5 | 1 | 6 | 2 | 8 | 1 |
| % | | 7 | 14 | 17 | 3 | 21 | 7 | 28 | 3 |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | 15 | 10 | | 1 | | 3 | 7 | 1 |
| % | 14 | 52 | 34 | | 3 | | 10 | 24 | 3 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | 3 | |
| | 2 | 9 | 10 | 1 | 5 | 4 | 1 | 3 | 4 | 4 | 1 | |
| | 3 | 17 | 9 | 9 | 12 | 11 | 9 | 7 | 3 | 6 | 4 | 2 |
| | 4 | 3 | 10 | 17 | 11 | 10 | 13 | 16 | 19 | 13 | 7 | 10 |
| | 5 | | | 2 | 1 | 4 | 6 | 3 | 3 | 6 | 14 | 17 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | 10 | |
| | 2 | 31 | 34 | 3 | 17 | 14 | 3 | 10 | 14 | 14 | 3 | |
| | 3 | 59 | 31 | 31 | 41 | 38 | 31 | 24 | 10 | 21 | 14 | 7 |
| | 4 | 10 | 34 | 59 | 38 | 34 | 45 | 55 | 66 | 45 | 24 | 34 |
| | 5 | | | 7 | 3 | 14 | 21 | 10 | 10 | 21 | 48 | 59 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 34000205 | 153117010 | Head coach | ( 2)25424<br>( 2)10220402 | ( 3)120101<br>( 28)BLANK | 544<br>9 | 22334444455<br>VDPIJ | L5<br>B |
| 34000208 | 153117014 | Manager, athlete | ( 20)29000<br>( 20)10243899 | ( 1)111203<br>( 28)BLANK | 555<br>7 | 22244355555<br>VDPIJ | L5<br>B |
| 34000211 | 153117018 | Scout, professional sports | ( 20)29000<br>( 20)10243899 | ( 3)120101<br>( 28)BLANK | 434<br>8 | 22433354555<br>VPJDI | S56<br>B |
| 34000214 | 153117022 | Steward, racetrack | ( 20)29000<br>( 20)10243899 | ( 15)120102<br>( 28)BLANK | 545<br>8 | 22444445555<br>VDPJM | L56<br>B |
| 34000217 | 153167010 | Paddock judge | ( 20)29000<br>( 20)10243899 | ( 15)120102<br>( 28)BLANK | 423<br>7 | 33444444444<br>MT | L56<br>O |
| 34000220 | 153167014 | Pit steward | ( 20)29000<br>( 20)10243899 | ( 15)120102<br>( 28)BLANK | 434<br>6 | 22344344444<br>DMPV | L5<br>O |
| 34000223 | 153167018 | Racing secretary and handicapper | ( 20)29000<br>( 20)10243899 | ( 15)120102<br>( 28)BLANK | 444<br>8 | 22355354555<br>VDJM | S56<br>I |
| 34000226 | 153224010 | Athletic trainer | ( 1)25496<br>( 1)10220405 | ( 1)100202<br>( 28)BLANK | 544<br>8 | 22433432345<br>DPSJM | M345<br>B |
| 34000229 | 153224014 | Racehorse trainer | ( 20)29000<br>( 20)10243899 | ( 2)030301<br>( 1)01010100 | 423<br>6 | 23445444455<br>VFJM | L6<br>O |
| 34000232 | 153227010 | Coach, professional athletes | ( 2)25424<br>( 2)10220402 | ( 3)120101<br>( 28)BLANK | 534<br>8 | 32433434325<br>DPJ | H3456<br>B |
| 34000235 | 153243010 | Automobile racer | ( 5)25410<br>( 5)10220401 | ( 5)120103<br>( 28)BLANK | 433<br>6 | 33422422214<br>SJT | M456<br>03567 |
| 34000238 | 153243014 | Motorcycle racer | ( 5)25410<br>( 5)10220401 | ( 5)120103<br>( 28)BLANK | 323<br>5 | 33422422214<br>JMS | H2456<br>O |

```
34000241 153244010 Jockey                      (  5)25410     (  5)120103   423  33422533335  M23456
                                               (  5)10220401  ( 28)BLANK    6    VSJ          06

34000244 153244014 Sulky driver                (  5)25410     (  5)120103   423  34434533335  M2456
                                               (  5)10220401  ( 28)BLANK    6    VSJ          06

34000247 153267010 Horse-race starter          ( 20)29000     ( 15)120102   333  33435544555  L56
                                               ( 20)10243899  ( 28)BLANK    4    VPJM         0

34000250 153267014 Patrol judge                ( 20)29000     ( 15)120102   434  32433344443  L256
                                               ( 20)10243899  ( 28)BLANK    8    MJ           0

34000253 153267018 Umpire                      (  1)25486     ( 15)120102   434  22323445445  L56
                                               (  1)10220404  ( 28)BLANK    8    DPSJM        B

34000256 153287010 Hoof and shoe inspector     ( 20)29000     (  1)030302   413  34533444455  L346
                                               ( 20)10243899  ( 28)BLANK    6    MTJ          0

34000259 153341010 Professional athlete        (  5)25410     (  5)120103   433  33422422214  M23456
                                               (  5)10220401  ( 28)BLANK    8    PSJT         B6

34000262 153367010 Clocker                     ( 20)29000     ( 15)120102   322  34333344554  L46
                                               ( 20)10243899  ( 28)BLANK    2    MT           0

34000265 153367014 Horse-race timer            ( 20)29000     ( 15)120102   333  44334344454  L6
                                               ( 20)10243899  ( 28)BLANK    3    MT           I

34000268 153384010 Marshall                    ( 20)29000     ( 15)120102   311  34433534435  H4
                                               ( 20)10243899  ( 28)BLANK    4    JS           06

34000271 153387010 Identifier, horse           ( 20)29000     ( 15)120102   333  34433344453  L6
                                               ( 20)10243899  ( 28)BLANK    3    MT           I

34000274 153387014 Scorer                      ( 20)29000     ( 15)120102   333  33343344454  S46
                                               ( 20)10243899  ( 28)BLANK    4    ST           B5

34000277 153467010 Clerk-of-scales             ( 20)29000     ( 15)120102   333  34344444455  L46
                                               ( 20)10243899  ( 28)BLANK    3    M            B

34000280 153667010 Starter                     ( 20)29000     ( 15)120102   322  34444444244  L46
                                               ( 20)10243899  ( 28)BLANK    4    RJ           05

34000283 153674010 Exerciser, horse            ( 20)29000     (  2)030301   211  44444534344  M234
                                               ( 20)10243899  ( 28)BLANK    3    FJ           06

34000286 153674014 Lead pony rider             ( 20)29000     ( 15)120102   211  44545533335  M24
                                               ( 20)10243899  ( 28)BLANK    2    R            06

34000289 219267010 Handicapper, harness racing ( 20)29000     (  1)110603   433  33743244455  S4
                                               ( 20)10243899  ( 28)BLANK    4    JM           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 362 CLINICAL LABORATORY TECHNOLOGISTS AND TECHNICIANS

These people perform lab tests to get information doctors need to diagnose the causes and nature of diseases. They use microscopes, chemicals, and precise instruments to run tests on blood, tissues, and fluids from the human body. In small labs, they often perform many types of tests. In large labs, they usually specialize in one area. Most of these workers conduct tests related to patient treatment, however some do research, develop lab techniques, teach, or head lab programs.

```
                              CODING TABLES                          Total count =   8
----------------------------------------------------   --------------------------------------------------
PHY      S  L  M  H  V                                   SVP     1  2  3  4  5  6  7  8  9
freq     1  7                                            freq                   3  5
%       13 88                                            %                     38 63
                                                         --------------------------------------------------
                                                         ENV     I  O  B  2  3  4  5  6  7
PHY      2  3  4  5  6                                   freq    8                       2
freq           7  4  8                                   %     100                      25
%             88 50 100                                  --------------------------------------------------
----------------------------------------------------     APT      G  V  N  S  P  Q  K  F  M  E  C
TEMP     D  F  I  J  M  P  R  S  T  V                                     frequency
freq     2           7  3        7  5                    range 1  1  1     1  1        2  1
%       25          88 38       88 63                          2  6  5  5  2  4  1  3  4  1     2
----------------------------------------------------           3  1  2  3  5  3  6  4  2  6     5
               attributes                                      4                 1  1        5
   GED    1  2  3  4  5  6  7  freq                            5                             3  1
  R freq              8         = 8                                       percent
    %               100                                  range 1 13 13    13 13       25 13
  M freq           8            = 8                            2 75 63 63 25 50 13 38 50 13    25
    %            100                                           3 13 25 38 63 38 75 50 25 75    63
  L freq           1  7         = 8                            4                13 13       63
    %             13 88                                        5                            38 13
----------------------------------------------------     --------------------------------------------------
```

```
 Unique   DOT                 DOT                      OES Survey    OOE          GED  Aptitudes    Phy. Dem
 Code     Code                Title                    over          over         over over         over
                                                       OES Matrix    USOE         SVP  Temperaments Env. Cond

36200205 78121010 Medical technologist, teaching      (  2)35002    (  6)020402  545  21233233345  S56
                  supervisor                          (  2)10120201 (  3)BLANK   7    VDP          I

36200208 78161010 Medical technologist, chief         (  1)33002    (  6)020402  545  12222322342  L456
                                                      (  1)10081899 (  3)BLANK   7    DPMT         I

36200211 78261010 Chemistry technologist              (  1)35003    (  6)020402  545  22333432343  L46
                                                      (  1)10120202 (  1)07020400 7   VMT          I

36200214 78261014 Microbiology technologist           (  1)35004    (  6)020402  545  22232322353  L46
                                                      (  1)10120203 (  2)07020300 6   VMT          I

36200217 78281010 Cytotechnologist                    (  1)35005    (  2)020401  545  23311341243  L456
                                                      (  1)10120204 (  1)07020100 6   VMT          I7

36200220 78361014 Medical technologist                (  2)35002    (  6)020402  545  22232322353  L46
                                                      (  2)10120201 (  2)07020300 7   MT           I

36200223 78361030 Tissue technologist                 (  1)35006    (  6)020402  545  22233331142  L46
                                                      (  1)10120205 (  1)07020200 6   VMT          I7

36200226 78364010 Ultrasound technologist             (  1)35900    (  2)020401  544  33322333353  L456
                                                      (  1)10121099 (  3)BLANK   7    MPT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 363 DENTAL HYGIENISTS

**DENTAL HYGIENISTS** work with dentists as part of a dental health team. They try to help people develop and maintain good oral health. They clean and polish patients' teeth, give them flouride treatments to prevent tooth decay, and tell them how to care for their teeth and gums. They also take medical and dental histories, expose and develop dental histories, expose and develop dental x-ray film, and make impressions of teeth for study models. Some give talks on dental health in schools, assist in research projects, or teach.

CODING TABLES

Total count = 1

```
-----------------------------------------------
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq             1   1   1
%              100 100 100
-----------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq                         1           1
%                          100         100
-----------------------------------------------
            attributes
   GED   1   2   3   4   5   6   7   freq
 R freq              1                 = 1
   %               100
 M freq          1                     = 1
   %           100
 L freq              1                 = 1
   %               100

-----------------------------------------------

 Unique  DOT                  DOT
 Code    Code                 Title

36300205  78361010  Dental hygienist
```

```
-----------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                         1
%                          100
-----------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
-----------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                     frequency
range 1
      2  1   1   1   1           1   1   1
      3                  1                       1
      4                      1
      5                                      1
                      percent
range 1
      2 100 100 100 100         100 100 100
      3                 100                     100
      4                     100
      5                                     100
-----------------------------------------------
OES Survey     GOE          GED  Aptitudes    Phy. Dem
over           over         over over         over
OES Matrix     USOE         SVP  Temperaments Env. Cond

( 1)35001      ( 1)100202   434  22223422253  L456
( 1)10120402   ( 1)07010200 6    PT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 364 HEALTH RECORD TECHNOLOGISTS AND TECHNICIANS

These people maintain medical records of patients in a hospital, clinic, or doctor's office. A medical record is a permanent report of a patient's condition and treatment. These workers copy medical data onto forms, analyze and code information, compile statistics, and keep files of records. They also find medical information for doctors and others upon request. Some plan new ways to keep health records up to date.

```
                              CODING TABLES                          Total count =   1
---------------------------------------------------      -----------------------------------------------------
PHY      S   L   M   H   V                               SVP      1   2   3   4   5   6   7   8   9
freq         1                                           freq                         1
%          100                                           %                          100
                                                         -----------------------------------------------------
                                                         ENV      I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                               freq     1
freq             1   1                                   %      100
%              100 100                                   -----------------------------------------------------
---------------------------------------------------      APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                              frequency
freq                     1   1           1   1          range 1
%                      100 100         100 100                2   1   1
---------------------------------------------------            3           1           1
                 attributes                                    4               1   1       1   1   1
   GED    1   2   3   4   5   6   7   freq                     5                                       1   1
 R freq                   1           = 1                                        percent
   %                    100                             range 1
 M freq               1               = 1                      2 100 100
   %                100                                        3         100         100
 L freq                   1           = 1                      4             100 100     100 100 100
   %                    100                                    5                                     100 100

---------------------------------------------------      -----------------------------------------------------
                                                         DES Survey    GOE          GED  Aptitudes    Phy. Dem
 Unique   DOT                    DOT                     over          over         over over         over
 Code     Code                   Title                   DES Matrix    USOE         SVP  Temperaments Env. Cond

36400205  79367014  Medical record technician            (  1)34048    (  1)070503  545  22344344455  L45
                                                         (  1)10120600 (  1)BLANK   6    VPMT         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 365 RADIOLOGIC TECHNOLOGISTS AND TECHNICIANS

These workers take x-ray pictures of patients to help doctors diagnose and treat injuries and diseases. They also give radiation treatments to cancer patients, as prescribed by a doctor. Sometimes, they prepare radioactive solutions for patients to swallow or have injected. They then use special cameras to find areas in body organs that have a certain reaction to the solution. They also prepare and keep treatment records and prepare work schedules for assistants.

CODING TABLES

Total count = 3

```
-----------------------------------------------------
PHY       S  L  M  H  V
freq         2  1
%           67 33


PHY       2  3   4   5   6
freq             3   3   3
%              100 100 100
-----------------------------------------------------
TEMP      D  F  I  J  M  P  R  S   T  V
freq                  2  2         3  1
%                    67 67       100 33
-----------------------------------------------------
                  attributes
   GED    1  2  3  4  5  6  7  freq
 R freq               3          =  3
   %                100
 M freq            3             =  3
   %             100
 L freq               3          =  3
   %                100

-----------------------------------------------------
```

```
-----------------------------------------------------
SVP       1  2  3  4  5  6  7  8  9
freq                     1  2
%                       33 67
-----------------------------------------------------
ENV       I  O  B  2  3  4  5  6  7
freq      3                    3
%       100                  100
-----------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1            1
      2    3   1   1   2   2           1   1
      3        2   1   1   1   3   3   2   2       1
      4                                        3   2
      5
                        percent
range 1           33
      2  100  33  33  67  67          33  33
      3       67  33  33  33 100 100  67  67      33
      4                                      100  67
      5
-----------------------------------------------------
```

```
                                                      OES Survey     GOE            GED  Aptitudes    Phy. Dem
Unique   DOT                DOT                       over           over           over over         over
Code     Code               Title                     OES Matrix     USOE           SVP  Temperaments Env. Cond

36500205 78162010 Radiologic technologist, chief      (  1)35900     (  3)100202    545  23222333343  L456
                                                      (  1)10121099  (  1)BLANK     7    PT           I6

36500208 78361018 Nuclear medical technologist        (  1)35007     (  3)100202    545  22122332244  L456
                                                      (  1)10120802  (  1)07050300  7    VNT          I6

36500211 78362026 Radiologic technologist             (  1)34036     (  3)100202    545  23333333344  M456
                                                      (  1)10120801  (  1)07050100  6    PNT          I6
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 366 LICENSED PRACTICAL NURSES

**LICENSED PRACTICAL NURSES** help care for sick and injured people in hospitals, clinics, doctor's offices, and private homes. They work under the direction of doctors and registered nurses to provide bedside patient care and help examine and treat patients. They bathe, dress, feed and give medicines to patients. They also try to make patients comfortable and cheer them up. Those who work in a doctor's office may set appointments, record medical information, and perform other clerical tasks.

```
                                    CODING TABLES                        Total count =   2
-----------------------------------------------------      -----------------------------------------------------
PHY     S  L  M  H  V                                      SVP     1   2   3   4   5   6   7   8   9
freq          2                                            freq                1       1
%           100                                            %                  50      50
                                                           -----------------------------------------------------
                                                           ENV     I   O   B   2   3   4   5   6   7
PHY     2  3  4  5  6                                      freq    2                               1
freq       1  2  2  2                                      %     100                              50
%         50 100 100 100                                   -----------------------------------------------------
-----------------------------------------------------      APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP    D   F   I   J   M   P   R   S   T   V                                 frequency
freq                        2       2   1   2              range 1
%                         100     100  50 100                    2
-----------------------------------------------------            3  2   2       1   1       2   1   2
                   attributes                                    4          2   1   1   2       1       2   1
    GED    1   2   3   4   5   6   7   freq                      5                                          1
 R freq            1   1                 =  2                                  percent
    %             50  50                                   range 1
 M freq        1   1                     =  2                    2
    %         50  50                                             3 100 100     50  50     100  50 100
 L freq            1   1                 =  2                    4        100  50  50 100      50     100  50
    %             50  50                                         5                                          50

-----------------------------------------------------      -----------------------------------------------------
                                                           OES Survey     GOE            GED  Aptitudes     Phy. Dem
 Unique  DOT                     DOT                       over           over           over over          over
 Code    Code                    Title                     OES Matrix     USOE           SVP  Temperaments  Env. Cond

36600205  79374014 Nurse, licensed practical               (  1)34013     (  1)100201    434  33433433344   M456
                                                           (  1)10121010  (  2)07030200  6    VPST          I7

36600208 354374010 Nurse, practical                        (  1)44025     (  1)100302    323  33444434345   M3456
                                                           (  1)70061010  (  2)07030200  4    VPS           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

21 Associated DOT Titles

## 369 HEALTH TECHNOLOGISTS AND TECHNICIANS, N.E.C.

These people perform various technical tasks to get information needed for the diagnosis, treatment, and control of diseases. They also may help treat patients or conduct programs to control and prevent health hazards and diseases. Some use medical equipment to test body specimens. Some mix and dispense drugs. Some prepare patients for surgery. Some fit patients with artificial limbs. Some take precise readings of patients' heart rates and brain waves. Some perform routine medical lab tests.

### CODING TABLES

Total count = 21

```
--------------------------------------------------
PHY      S   L   M   H   V
freq     2  11   8
%       10  52  38


PHY      2   3   4   5   6
freq     1   2  20  13  20
%        5  10  95  62  95
--------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     2       1   7  15  13       3  15   4
%       10       5  33  71  62      14  71  19
--------------------------------------------------
                 attributes
   GED     1   2   3   4   5   6   7   freq
 R freq            1  14   5   1        = 21
   %               5  67  24   5
 M freq        1   5  14   1            = 21
   %           5  24  67   5
 L freq            5  13   2   1        = 21
   %              24  62  10   5
--------------------------------------------------
```

```
--------------------------------------------------------
SVP       1   2   3   4   5   6   7   8   9
freq                  2   2  10   3   4
%                    10  10  48  14  19
--------------------------------------------------------
ENV       I   O   B   2   3   4   5   6   7
freq     19       2               3   2   3
%        90      10              14  10  14
--------------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1    1       1   1   1
      2   11   4       5   5   1   2   3   1
      3    9  17  18  12  14   6   9  15  17   2   6
      4           2   3   1  14  10   3   3   9  12
      5                                       10   3
                          percent
range 1    5       5   5   5
      2   52  19      24  24   5  10  14   5
      3   43  81  86  57  67  29  43  71  81  10  29
      4          10  14   5  67  48  14  14  43  57
      5                                       48  14
--------------------------------------------------------
```

```
Unique   DOT                DOT                                OES Survey     GOE            GED  Aptitudes    Phy. Dem
Code     Code               Title                              over           over           over over         over
                                                               OES Matrix     USOE           SVP  Temperaments Env. Cond

36900205 73361010 Laboratory technician, veterinary            (  1)33002     (  3)020402    544  33333432354  L46
                                                               (  1)10081899  (  1)01029900  6    VMT          I

36900208 74381010 Pharmacist assistant                         (  1)34047     (  2)020401    443  22343433453  L46
                                                               (  1)10121009  ( 13)BLANK     6    MT           I

36900211 78261018 Orthotist                                    (  3)35009     (  4)050511    544  23322443344  M456
                                                               (  3)10121005  ( 13)BLANK     8    PJT          I

36900214 78261022 Prosthetist                                  (  3)35009     (  4)050511    544  23322443344  M456
                                                               (  3)10121005  (  2)07040400  8    PJT          I

36900217 78361022 Orthotics assistant                          (  7)35900     (  4)050511    444  23322443344  M456
                                                               (  7)10121099  ( 13)BLANK     7    PJT          I

36900220 78361026 Prosthetics assistant                        (  3)35009     (  4)050511    444  23322443344  M456
                                                               (  3)10121005  ( 13)BLANK     7    PJT          I

36900223 78362010 Audiometrist                                 (  1)25539     (  3)100301    434  23343233344  L456
                                                               (  1)10101807  ( 13)BLANK     6    PM           I

36900226 78362014 Dialysis technician                          (  7)35900     (  2)100202    433  33333322344  L46
                                                               (  7)10121099  ( 13)BLANK     6    PT           I

36900229 78362018 Electrocardiograph technician                (  1)35011     (  3)100301    434  23333333345  L46
                                                               (  1)10121006  (  1)07090200  6    PMT          I

36900232 78362022 Electroencephalographic technologist         (  1)35012     (  3)100301    444  33333444455  L456
                                                               (  1)10121007  (  1)07090100  6    PMT          I

36900235 78381010 Medical-laboratory assistant                 (  2)35010     (  3)020402    444  33333433353  L46
                                                               (  2)10120206  ( 13)BLANK     4    VMT          I

36900238 78381014 Medical-laboratory technician                (  2)35010     (  2)020401    545  23333433353  L46
                                                               (  2)10120206  (  1)07020300  5    VMT          I
```

```
36900241  78384010  Cephalometric analyst             (  7)35900    (  3)020402   444  33333433354  S46
                                                      (  7)10121099 ( 13)BLANK    6    MT           I

36900244  79117018  Sanitarian                        (  7)35900    (  2)111003   656  22333444453  M56
                                                      (  7)10121099 ( 13)BLANK    8    DMT          B67

36900247  79161010  Industrial hygienist              (  7)35900    (  2)111003   545  12111434354  M456
                                                      (  7)10121099 ( 13)BLANK    8    DM           I57

36900250  79364014  Optometric assistant              (  7)35900    (  4)100302   444  33333343333  S456
                                                      (  7)10121099 ( 13)BLANK    6    PM           I

36900253  79367018  Medical-service technician        (  1)00000    (  1)070503   433  22323333344  L456
                                                      (  1)BLANK    ( 13)BLANK    7    JPST         I5

36900256  79371014  Orthoptist                        (  1)34021    (  2)100202   444  23333443354  L46
                                                      (  1)10121004 (  1)07060200 6    IJMP         I56

36900259  79374010  Emergency medical technician      (  7)35900    (  4)100302   434  33332322233  M23456
                                                      (  7)10121099 ( 13)BLANK    5    JMPS         R

36900262  79374022  Surgical technician               (  1)34034    (  4)100302   443  33444343344  L45
                                                      (  1)10121002 (  1)07030500 6    MSV          I7

36900265 712661010  Orthopedic assistant              (  1)44043    (  4)100302   323  33433443355  M3456
                                                      (  1)70061012 (  2)07040400 4    MPT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

### 3711 ELECTRICAL AND ELECTRONIC ENGINEERING TECHNOLOGISTS AND TECHNICIANS

People in these jobs work with engineers and scientists to design and build electrical and electronic equipment. They also install, repair, test, and operate such equipment. The types of equipment they work with range from radio, radar, sonar, and TV equipment to industrial and medical measuring and control devices.

```
                                          CODING TABLES                      Total count =   7
------------------------------------------------------   ----------------------------------------------------
PHY       S   L   M   H   V                               SVP      1   2   3   4   5   6   7   8   9
freq          7                                           freq                         1   5   1
%           100                                           %                           14  71  14
                                                         ----------------------------------------------------
                                                          ENV      I   O   B   2   3   4   5   6   7
PHY       2   3   4   5   6                               freq     6       1               1   2
freq          1   6   2   6                               %       86      14              14  29
%            14  86  29  86                              ----------------------------------------------------
------------------------------------------------------    APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP      D   F   I   J   M   P   R   S   T   V                                frequency
freq      1           4   7   1           6   5         range 1
%        14          57 100  14          86  71               2    6   5   6   6   7       4   5   5
------------------------------------------------------         3    1   2   1   1       5   2   2   2
                   attributes                                  4                        2   1           4   6
      0   1   2   3   4   5   6   7   freq                     5                                        3   1
 R freq               2   5           = 7                                       percent
   %                 29  71                              range 1
 M freq               3   4           = 7                      2   86  71  86  86 100      57  71  71
   %                 43  57                                    3   14  29  14  14      71  29  29  29
 L freq           1   6               = 7                      4                       29  14          57  86
   %             14  86                                        5                                       43  14
------------------------------------------------------   ----------------------------------------------------
```

```
                                                          OES Survey    GOE           GED  Aptitudes    Phy. Dem
Unique    DOT                  DOT                        over          over          over over         over
Code      Code                 Title                      OES Matrix    USOE          SVP  Temperaments Env. Cond

37110205   3161010 Electrical technician                  (  5)32004    (  4)050101   444  22222322244  L46
                                                          (  5)10080803 (  1)16010700 7    VJMT         I

37110208   3161014 Electronics technician                 (  5)32004    (  4)050101   554  22222322244  L46
                                                          (  5)10080803 (  1)16010800 7    VJMT         I

37110211   3161018 Semiconductor-development              (  5)32004    (  4)050101   554  22222322244  L46
                   technician                             (  5)10080803 (  3)BLANK    7    VJMT         I

37110214   3261010 Instrumentation technician             (  5)32004    (  4)050101   554  22222322244  L46
                                                          (  5)10080803 (  1)16011200 7    VJMT         I6

37110217  19281010 Calibration laboratory technician      (  5)32004    (  1)020401   554  23222432254  L3456
                                                          (  5)10080803 (  1)16010900 7    VMT          B6

37110220 184167194 Superintendent, meters                 (  1)55B29    (  1)051002   544  22222333355  L5
                                                          (  1)50040003 (  3)BLANK    8    DMP          I5

37110223 194381010 Technical testing engineer             (  1)55B92    (  1)051003   443  33332443354  L46
                                                          (  1)10081898 (  3)BLANK    6    MT           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 3712 INDUSTRIAL ENGINEERING TECHNOLOGISTS & TECHNICIANS

These workers help industrial engineers plan the best uses of workers, materials, and machines to produce goods and services. They prepare layouts of machinery and equipment, plan the work flow, do statistical studies, and determine production costs. They also conduct time and motion studies (analyze the time and movements a worker needs to complete a task).

```
                                     CODING TAPLES                      Total count =   1
----------------------------------------------------
PHY      S   L   M   H   V
freq         1
%          100

PHY      2   3   4   5   6
freq             1   1   1
%              100 100 100
----------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     1           1   1
%      100         100 100
----------------------------------------------------
              attributes
  GED    1   2   3   4   5   6   7   freq
 R freq                  1           = 1
   %                   100
 M freq                  1           = 1
   %                   100
 L freq              1               = 1
   %               100

----------------------------------------------------
```

```
----------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             1
%                              100
----------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
----------------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                          frequency
range 1
      2    1   1   1   1   1
      3                        1       1
      4                            1       1       1
      5                                        1
                          percent
range 1
      2  100 100 100 100 100
      3                      100     100
      4                          100     100     100
      5                                      100

----------------------------------------------------------
```

```
Unique   DOT                    DOT
Code     Code                   Title

37120205  12267010  Industrial engineering technician
```

```
OES Survey      GOE             GED  Aptitudes    Phy. Dem
over            over            over over         over
OES Matrix      USOE            SVP  Temperaments Env. Cond

(  1)32900      (  1)050306     554  22222343434  L456
(  1)10081898   (  1)16011100   7    DJM          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

## 3713 MECHANICAL ENGINEERING TECHNOLOGISTS & TECHNICIANS

These people help engineers in design and development work. They make sketches and rough layouts of machinery and other equipment and parts. They also figure out the costs and usefulness of product designs. They often use complex instruments, test equipment, and gauges to test new product design. They may estimate labor costs, equipment life, and plant space needed for new operations. Sometimes they work with engineers to solve production problems.

### CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 2 | 4 |
| % | | | 75 | 50 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 2 | 4 | | | | 4 | 1 |
| % | | | | 50 | 100 | | | | 100 | 25 |

| | | | attributes | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | | 4 | | | = 4 |
| % | | | | | 100 | | | |
| M freq | | | | 3 | 1 | | | = 4 |
| % | | | | 75 | 25 | | | |
| L freq | | | | 3 | 1 | | | = 4 |
| % | | | | 75 | 25 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 2 | |
| % | | | | | | | 50 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 1 | | | | | | |
| % | 75 | | 25 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | 1 | | | | | | | |
| | 2 | 4 | 4 | 3 | 3 | 4 | 1 | 2 | 2 | 2 | | |
| | 3 | | | 1 | | | 2 | 2 | 2 | 2 | | |
| | 4 | | | | | | 1 | | | | 2 | 3 |
| | 5 | | | | | | | | | | 2 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | 25 | | | | | | | |
| | 2 | 100 | 100 | 75 | 75 | 100 | 25 | 50 | 50 | 50 | | |
| | 3 | | | 25 | | | 50 | 50 | 50 | 50 | | |
| | 4 | | | | | | 25 | | | | 50 | 75 |
| | 5 | | | | | | | | | | 50 | 25 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37130205 | 7161026 | Mechanical-engineering technician | ( 2)32010<br>( 2)10081400 | ( 2)050101<br>( 1)16011300 | 544<br>7 | 22322433354<br>MT | L46<br>I |
| 37130208 | 7161030 | Optomechanical technician | ( 2)32010<br>( 2)10081400 | ( 2)050101<br>( 1)16019900 | 544<br>8 | 22222332244<br>JMT | L456<br>I |
| 37130211 | 7181010 | Heat-transfer technician | ( 1)32900<br>( 1)10081898 | ( 1)050307<br>( 1)16011002 | 555<br>7 | 22222322245<br>VJMT | L46<br>B |
| 37130214 | 17261010 | Auto-design checker | ( 1)32003<br>( 1)10080600 | ( 1)050302<br>( 1)16010400 | 544<br>8 | 22212223354<br>MT | L56<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

22 Associated DOT Titles

## 3719 ENGINEERING TECHNOLOGISTS AND TECHNICIANS, N.E.C.

These people assist engineers in lab and production work. They do such things as set up and operate testing equipment, build experimental products, and prepare drawings of machinery and equipment. They record meter readings, take measurements, and prepare graphs and charts. They may prepare equipment specifications and interpret engineering plans for other workers. They may operate electronic sound devices.

### CODING TABLES

Total count = 22

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 7 | 14 | 1 | | |
| % | 32 | 64 | 5 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 20 | 9 | 16 |
| % | | | 91 | 41 | 73 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 6 | 21 | 2 | 2 | | 20 | 6 |
| % | 5 | | | 27 | 95 | 9 | 9 | | 91 | 27 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 3 | 13 | 6 | | | = 22 |
| % | | | 14 | 59 | 27 | | | |
| M freq | | | 5 | 15 | 2 | | | = 22 |
| % | | | 23 | 68 | 9 | | | |
| L freq | | | 8 | 12 | 2 | | | = 22 |
| % | | | 36 | 55 | 9 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 4 | 2 | 13 | 3 | |
| % | | | | | 18 | 9 | 59 | 14 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 20 | | 2 | | | | | 2 | 1 |
| % | 91 | | 9 | | | | | 9 | 5 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 11 | 7 | 9 | 7 | 11 | 1 | 4 | 3 | 3 | | 1 |
| | 3 | 11 | 15 | 10 | 14 | 7 | 13 | 12 | 15 | 15 | 1 | 2 |
| | 4 | | | 3 | 1 | 3 | 7 | 5 | 3 | 3 | 5 | 9 |
| | 5 | | | | | 1 | 1 | 1 | 1 | 1 | 16 | 10 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 50 | 32 | 41 | 32 | 50 | 5 | 18 | 14 | 14 | | 5 |
| | 3 | 50 | 68 | 45 | 64 | 32 | 59 | 55 | 68 | 68 | 5 | 9 |
| | 4 | | | 14 | 5 | 14 | 32 | 23 | 14 | 14 | 23 | 41 |
| | 5 | | | | | 5 | 5 | 5 | 5 | 5 | 73 | 45 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37190205 | 2280010 | Research mechanic | ( 1)32010<br>( 1)10081400 | ( 3)050104<br>( 2)16010100 | 443<br>7 | 33222333355<br>VMT | L4<br>I |
| 37190208 | 2281010 | Flight-test-data transcriber | ( 12)32900<br>( 14)10081898 | ( 1)070203<br>( 2)16010100 | 544<br>5 | 23232344454<br>MT | S46<br>I |
| 37190211 | 6261010 | Scientific glass blower | ( 12)32900<br>( 14)10081898 | ( 1)050511<br>( 11)BLANK | 444<br>8 | 22222322252<br>JMPT | L456<br>I67 |
| 37190214 | 8261010 | Chemical-engineering technician | ( 12)32900<br>( 14)10081898 | ( 1)050108<br>( 1)16010500 | 555<br>8 | 22222322234<br>MT | L46<br>B |
| 37190217 | 10261010 | Field engineer, specialist | ( 12)32900<br>( 14)10081898 | ( 1)050304<br>( 1)16011600 | 444<br>7 | 23222343454<br>JM | L456<br>B6 |
| 37190220 | 10261026 | Test-engine evaluator | ( 12)32900<br>( 14)10081898 | ( 3)050104<br>( 1)16011301 | 444<br>7 | 33332433344<br>MT | M46<br>I |
| 37190223 | 11261010 | Metallurgical technician | ( 12)32900<br>( 14)10081898 | ( 4)020401<br>( 4)16011400 | 444<br>6 | 33333333343<br>MT | L46<br>I |
| 37190226 | 11261014 | Welding technician | ( 12)32900<br>( 14)10081898 | ( 1)050101<br>( 11)BLANK | 433<br>8 | 33332323354<br>MT | L456<br>I |
| 37190229 | 11281010 | Laboratory assistant, metallurgical | ( 12)32900<br>( 14)10081898 | ( 4)020401<br>( 4)16011400 | 444<br>7 | 33334343355<br>VMT | L46<br>I |
| 37190232 | 11281014 | Spectroscopist | ( 1)32013<br>( 14)10081898 | ( 4)020401<br>( 4)16011400 | 444<br>7 | 23223433353<br>MT | L46<br>I |
| 37190235 | 11361010 | Tester | ( 12)32900<br>( 14)10081898 | ( 4)020401<br>( 4)16011400 | 443<br>5 | 33333333344<br>MT | L46<br>I |
| 37190238 | 13161010 | Agricultural-engineering technician | ( 12)32900<br>( 14)10081898 | ( 1)050107<br>( 1)16010200 | 554<br>7 | 23222333354<br>MT | S46<br>I |

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37190241  19161014  Test technician                   ( 12)32900     (  3)050104   544  22222322244  L46
                                                      ( 14)10081898  ( 11)BLANK    7    VMT          I

37190244  19267010  Specification writer              (  1)32014     (  1)050302   544  22222255555  S6
                                                      ( 14)10081898  (  1)16010603 7    MT           I

37190247 194262014  Sound controller                  (  7)32015     (  1)051003   443  22333333345  L45
                                                      (  7)10080801  ( 11)BLANK    7    JMVT         I

37190250 194262018  Sound mixer                       (  7)32015     (  5)051005   443  22333433355  S45
                                                      (  7)10080801  ( 11)BLANK    7    JMTV         I

37190253 194362010  Recording engineer                (  7)32015     (  5)051005   333  33334434355  L45
                                                      (  7)10080801  ( 11)BLANK    7    MT           I

37190256 194362014  Rerecording mixer                 (  7)32015     (  5)051005   444  33335533355  S456
                                                      (  7)10080801  ( 11)BLANK    7    VJMT         I

37190259 194382010  Section-plotter operator          ( 12)32900     (  5)051005   333  33332443354  L46
                                                      ( 14)10081898  ( 11)BLANK    5    MT           I

37190262 194382014  Tape transferrer                  (  7)32015     (  5)051005   333  33443333355  L46
                                                      (  7)10080801  ( 11)BLANK    5    RMT          I

37190265 962167010  Manager, sound effects            (  7)32015     (  2)010602   545  22434444455  S5
                                                      (  7)10080801  ( 11)BLANK    7    DPJ          I

37190268 962382014  Sound cutter                      (  7)32015     (  2)010602   434  33433433355  S45
                                                      (  7)10080801  ( 11)BLANK    6    RMT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

35 Associated DOT Titles

## 372 DRAFTING OCCUPATIONS

**DRAFTERS** prepare detailed plans and drawings based on rough sketches, specifications, and calculations made by scientists, engineers, architects, and designers. These plans and drawings are used in construction, manufacturing, and engineering. They also calculate the strength, quality, quantity, and cost of materials. They use drafting tools, technical handbooks, tables, and calculators.

### CODING TABLES

Total count = 35

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 26 | 9 | | | |
| % | 74 | 26 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 35 | 3 | 34 |
| % | | | 100 | 9 | 97 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | 35 | 1 | | | 33 | 5 |
| % | 3 | | | | 100 | 3 | | | 94 | 14 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 12 | 23 | | | = 35 |
| % | | | | 34 | 66 | | | |
| M freq | | | | 13 | 22 | | | = 35 |
| % | | | | 37 | 63 | | | |
| L freq | | | 6 | 18 | 11 | | | = 35 |
| % | | | 17 | 51 | 31 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 3 | 31 | 1 | |
| % | | | | | | 9 | 89 | 3 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 34 | | 1 | | | | | | |
| % | 97 | | 3 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | 6 | 1 | | | | | | |
| | 2 | 34 | 14 | 34 | 28 | 33 | 13 | 27 | 26 | 12 | | |
| | 3 | 1 | 20 | 1 | 1 | 1 | 22 | 8 | 9 | 23 | | 8 |
| | 4 | | 1 | | | | | | | | | 20 |
| | 5 | | | | | | | | | | 35 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | 17 | 3 | | | | | | |
| | 2 | 97 | 40 | 97 | 80 | 94 | 37 | 77 | 74 | 34 | | |
| | 3 | 3 | 57 | 3 | 3 | 3 | 63 | 23 | 26 | 66 | | 23 |
| | 4 | | 3 | | | | | | | | | 57 |
| | 5 | | | | | | | | | | 100 | 20 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37200205 | 1261010 | Drafter, architectural | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 443<br>7 | 23222222254<br>MT | S46<br>I |
| 37200208 | 1261014 | Drafter, landscape | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 443<br>7 | 23222222353<br>MT | S46<br>I |
| 37200211 | 2261010 | Drafter, aeronautical | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 554<br>7 | 23222222354<br>MT | S46<br>I |
| 37200214 | 3281010 | Drafter, electrical | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 555<br>7 | 23222332354<br>MT | S46<br>I |
| 37200217 | 3281014 | Drafter, electronic | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 554<br>7 | 23222322354<br>MT | S46<br>I |
| 37200220 | 5281010 | Drafter, civil | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 554<br>7 | 23222333354<br>MT | S46<br>I |
| 37200223 | 5281014 | Drafter, structural | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 554<br>7 | 23222222354<br>MT | S46<br>I |
| 37200226 | 7161010 | Die designer | (  3)32900<br>(  3)10081898 | ( 35)050302<br>( 22)17130000 | 444<br>7 | 22222322254<br>MT | S46<br>I |
| 37200229 | 7161014 | Die-designer apprentice | (  3)32900<br>(  3)10081898 | ( 35)050302<br>( 10)BLANK | 444<br>7 | 22222322254<br>MT | S46<br>I |
| 37200232 | 7161018 | Engineering assistant, mechanical equipment | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>(  1)16011300 | 555<br>7 | 22222222254<br>MT | S46<br>I |
| 37200235 | 7261010 | Chief drafter | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 22)17130000 | 555<br>7 | 22222232353<br>VMT | S46<br>I |
| 37200238 | 7261014 | Drafter, castings | ( 32)32003<br>( 32)10080600 | ( 35)050302<br>( 10)BLANK | 444<br>7 | 22222322255<br>MT | S46<br>I |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37200241 | 7261018 | Drafter, patent | ( 32)32003 | ( 35)050302 | 555 | 22222322254 | S46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | MT | I |
| 37200244 | 7261022 | Drafter, tool design | ( 32)32003 | ( 35)050302 | 555 | 22222322255 | S46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | MT | I |
| 37200247 | 7281010 | Drafter, mechanical | ( 32)32003 | ( 35)050302 | 555 | 23222322354 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200250 | 10281010 | Drafter, directional survey | ( 32)32003 | ( 35)050302 | 555 | 23212323255 | L46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | VMT | I |
| 37200253 | 10281014 | Drafter, geological | ( 32)32003 | ( 35)050302 | 555 | 23212223355 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 6 | VMT | I |
| 37200256 | 10281018 | Drafter, geophysical | ( 32)32003 | ( 35)050302 | 555 | 23212323255 | L46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | VMT | I |
| 37200259 | 14281010 | Drafter, marine | ( 32)32003 | ( 35)050302 | 554 | 23222322354 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200262 | 17161010 | Drafter, chief, design | ( 32)32003 | ( 35)050302 | 555 | 22222333353 | L456 |
| | | | ( 32)10080600 | ( 10)BLANK | 8 | DPMT | I |
| 37200265 | 17261014 | Design drafter, electromechanisms | ( 32)32003 | ( 35)050302 | 554 | 23222322354 | S46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | MT | I |
| 37200268 | 17261018 | Detailer | ( 32)32003 | ( 35)050302 | 444 | 22222332255 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | VM | I |
| 37200271 | 17261022 | Detailer, furniture | ( 32)32003 | ( 35)050302 | 444 | 22222322254 | L46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200274 | 17261026 | Drafter, commercial | ( 32)32003 | ( 35)050302 | 554 | 23222322353 | S46 |
| | | | ( 32)10080600 | ( 1)16049900 | 6 | MT | I |
| 37200277 | 17261030 | Drafter, detail | ( 32)32003 | ( 35)050302 | 444 | 23222222353 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200280 | 17261034 | Drafter, heating and ventilating | ( 32)32003 | ( 35)050302 | 554 | 23222222354 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200283 | 17261038 | Drafter, plumbing | ( 32)32003 | ( 35)050302 | 554 | 23222222354 | S46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | MT | I |
| 37200286 | 17281010 | Auto-design detailer | ( 32)32003 | ( 35)050302 | 443 | 22212223354 | L46 |
| | | | ( 32)10080600 | ( 22)17130000 | 6 | MT | I |
| 37200289 | 17281014 | Drafter apprentice | ( 32)32003 | ( 35)050302 | 554 | 23222322353 | S46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200292 | 17281018 | Drafter, assistant | ( 32)32003 | ( 35)050302 | 443 | 34333333354 | S46 |
| | | | ( 32)10080600 | ( 1)14990000 | 7 | MT | I |
| 37200295 | 17281022 | Drafter, automotive design | ( 32)32003 | ( 35)050302 | 544 | 22212223354 | L456 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200298 | 17281026 | Drafter, automotive design lay-out | ( 32)32003 | ( 35)050302 | 443 | 22211322254 | L46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200301 | 17281030 | Drafter, oil and gas | ( 32)32003 | ( 35)050302 | 443 | 23222222353 | L46 |
| | | | ( 32)10080600 | ( 22)17130000 | 7 | MT | I |
| 37200304 | 17281034 | Technical illustrator | ( 32)32003 | ( 35)050302 | 554 | 23222332353 | S46 |
| | | | ( 32)10080600 | ( 10)BLANK | 7 | MT | I |
| 37200307 | 19261014 | Estimator and drafter | ( 3)32990 | ( 35)050302 | 555 | 22222333355 | L45 |
| | | | ( 3)10081898 | ( 22)17130000 | 7 | M | B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 3733 SURVEYING TECHNICIANS

**SURVEYING TECHNICIANS** help surveyors determine the location and boundaries of land areas for construction, mining, and other purposes. **PARTY CHIEFS** are **SURVEYING TECHNICIANS** who lead the day-to-day work activities of a survey. **INSTRUMENT ASSISTANTS** adjust and operate survey instruments and equipment. They also compile notes, make sketches, and keep records of data obtained during field surveys.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | | 2 | 2 | 2 |
| % | 50 | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | 2 | | | | 2 | |
| % | 100 | | | | 100 | | | | 100 | |

| | | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq | |
| R freq | | | | | 2 | | | = | 2 |
| % | | | | | 100 | | | | |
| M freq | | | | | 2 | | | = | 2 |
| % | | | | | 100 | | | | |
| L freq | | | | 2 | | | | = | 2 |
| % | | | | 100 | | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 2 | | | | | | | |
| % | | 100 | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | | 2 | 2 | 2 | | | | | | |
| | 3 | | 2 | | | | 2 | 2 | 2 | 2 | 2 | 2 |
| | 4 | | | | | | | | | | | |
| | 5 | | | | | | | | | | | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | | 100 | 100 | 100 | | | | | | |
| | 3 | | 100 | | | | 100 | 100 | 100 | 100 | 100 | 100 |
| | 4 | | | | | | | | | | | |
| | 5 | | | | | | | | | | | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37330205 | 18167010 | Chief of party | ( 2)32008<br>( 2)10081600 | ( 2)050301<br>( 2)BLANK | 554<br>7 | 23222333333<br>DMT | L2456<br>O |
| 37330208 | 18167034 | Surveyor assistant, instruments | ( 2)32008<br>( 2)10081600 | ( 2)050301<br>( 2)BLANK | 554<br>7 | 23222333333<br>DMT | L456<br>O |

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

### 3734 CARTOGRAPHIC TECHNICIANS

These workers plan, design, draw and edit maps and charts. Some supervise map production. They work from survey notes, photographs, and land records to prepare maps, charts, and drawings that show land features. They determine the location and names of natural and constucted features, political boundaries, and other features. They use drafting, mapping, and other precision tools to complete and measure scaled distances and prepare the maps.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 5 | 2 | | | |
| % | 71 | 29 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 6 | 2 | 6 |
| % | | | 86 | 29 | 86 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 3 | 7 | 2 | 1 | | 7 | |
| % | 29 | | | 43 | 100 | 29 | 14 | | 100 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 5 | 2 | | | = 7 |
| % | | | | 71 | 29 | | | |
| M freq | | | | 5 | 2 | | | = 7 |
| % | | | | 71 | 29 | | | |
| L freq | | | 1 | 4 | 2 | | | = 7 |
| % | | | 14 | 57 | 29 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 6 | 1 | |
| % | | | | | | | 86 | 14 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 7 | 4 | 6 | 7 | 7 | 3 | 3 | 4 | 1 | | |
| | 3 | | 3 | 1 | | | 4 | 3 | 2 | 5 | | 5 |
| | 4 | | | | | | | 1 | 1 | 1 | 1 | 1 |
| | 5 | | | | | | | | | | 6 | 1 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 57 | 86 | 100 | 100 | 43 | 43 | 57 | 14 | | |
| | 3 | | 43 | 14 | | | 57 | 43 | 29 | 71 | | 71 |
| | 4 | | | | | | | 14 | 14 | 14 | 14 | 14 |
| | 5 | | | | | | | | | | 86 | 14 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37340205 | 18131010 | Supervisor, cartography | ( 2)39000<br>( 2)10141404 | ( 7)050302<br>( 6)BLANK | 555<br>8 | 22222233353<br>DPJMT | S456<br>I |
| 37340208 | 18167030 | Supervisor, mapping | ( 2)39000<br>( 2)10141404 | ( 7)050302<br>( 6)BLANK | 444<br>7 | 22222244455<br>DMPT | S5<br>I |
| 37340211 | 18261010 | Drafter, cartographic | ( 3)32003<br>( 3)10080600 | ( 7)050302<br>( 1)17130000 | 443<br>7 | 23222222353<br>MT | S46<br>I |
| 37340214 | 18261014 | Drafter, topographical | ( 3)32003<br>( 3)10080600 | ( 7)050302<br>( 6)BLANK | 555<br>7 | 22222322254<br>MT | S46<br>I |
| 37340217 | 18261018 | Editor, map | ( 2)32008<br>( 2)10081600 | ( 7)050302<br>( 6)BLANK | 444<br>7 | 22222333353<br>MT | L46<br>I |
| 37340220 | 18261022 | Mosaicist | ( 2)32008<br>( 2)10081600 | ( 7)050302<br>( 6)BLANK | 444<br>7 | 23222332343<br>JMT | S46<br>I |
| 37340223 | 18281010 | Stereo-plotter operator | ( 3)32003<br>( 3)10080600 | ( 7)050302<br>( 6)BLANK | 444<br>7 | 23322322353<br>RJMT | L46<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 3739 SURVEYING TECHNICIANS, N.E.C.

These workers help prepare information used in mapmaking. They study field notes, photographs, and other information collected by engineering survey parties. They use this information to compute the angles, areas, and directions of land formations. They work from reference tables and use calculators or computers to perform math calculations.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | | 2 |
| % | | | 100 | | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 2 | | | | 2 | |
| % | | | | | 100 | | | | 100 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |
| M freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 1 | | |
| % | | | | | | 50 | 50 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | | 2 | 2 | 2 | 1 | 1 | 1 | 1 | | |
| | 3 | | 2 | | | | 1 | 1 | 1 | 1 | 1 | 1 |
| | 4 | | | | | | | | | | 1 | |
| | 5 | | | | | | | | | | | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | | 100 | 100 | 100 | 50 | 50 | 50 | 50 | | |
| | 3 | | 100 | | | | 50 | 50 | 50 | 50 | 50 | 50 |
| | 4 | | | | | | | | | | 50 | |
| | 5 | | | | | | | | | | | 50 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 37390205 | 18167014 | Geodetic computer | ( 2)32008<br>( 2)10081600 | ( 1)050301<br>( 2)BLANK | 554<br>6 | 23222333345<br>MT | S46<br>I |
| 37390208 | 18261026 | Photogrammetrist | ( 2)32008<br>( 2)10081600 | ( 1)050302<br>( 2)BLANK | 444<br>7 | 23222222233<br>MT | S46<br>I |

12 Associated DOT Titles

## 382 BIOLOGICAL TECHNOLOGISTS AND TECHNICIANS, EXCEPT HEALTH

These people work in labs, where they perform tests and run experiments to help scientists develop better ways of producing plant and animal products. Their work varies from looking for ways to increase producton from animals to trying to improve the quality of natural fibers. Some are involved in animal breeding or the development of new types of seeds. Others study the effects of various feeds on animal growth and health.

### CODING TABLES

Total count = 12

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 5 | 6 | | |
| % | 8 | 42 | 50 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 2 | 2 | 12 | | 10 |
| % | 17 | 17 | 100 | | 83 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 5 | 7 | | 3 | | 7 | 4 |
| % | 17 | | | 42 | 58 | | 25 | | 58 | 33 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | 6 | 4 | | 2 | | = 12 |
| % | | | 50 | 33 | | 17 | | |
| M freq | | 4 | 4 | 2 | | 2 | | = 12 |
| % | | 33 | 33 | 17 | | 17 | | |
| L freq | | 6 | 2 | 2 | | 2 | | = 12 |
| % | | 50 | 17 | 17 | | 17 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 2 | 1 | 1 | 3 | 2 | 2 | |
| % | | 8 | 17 | 8 | 8 | 25 | 17 | 17 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | 1 | 6 | | | 2 | | 4 | 4 |
| % | 42 | 8 | 50 | | | 17 | | 33 | 33 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 2 | 2 | | | | | | | | | |
| | 2 | 1 | | 1 | 2 | 4 | | 1 | 2 | 3 | 1 | |
| | 3 | 9 | 10 | 5 | 7 | 7 | 5 | 7 | 4 | 5 | | 6 |
| | 4 | | | 6 | 3 | 1 | 6 | 4 | 6 | 4 | 5 | 4 |
| | 5 | | | | | | 1 | | | | 6 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | 17 | 17 | | | | | | | | | |
| | 2 | 8 | | 8 | 17 | 33 | | 8 | 17 | 25 | 8 | |
| | 3 | 75 | 83 | 42 | 58 | 58 | 42 | 58 | 33 | 42 | | 50 |
| | 4 | | | 50 | 25 | 8 | 50 | 33 | 50 | 33 | 42 | 33 |
| | 5 | | | | | | 8 | | | | 50 | 17 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 38200205 | 40061022 | Dairy technologist | ( 1)33900<br>( 10)10081899 | ( 1)020204<br>( 4)BLANK | 666<br>8 | 11233342243<br>DM | L46<br>I |
| 38200208 | 40061026 | Fiber technologist | ( 9)33002<br>( 10)10081899 | ( 1)050108<br>( 4)BLANK | 666<br>8 | 11322433444<br>DMT | L46<br>I |
| 38200211 | 40361010 | Laboratory technician, artificial breeding | ( 9)33002<br>( 10)10081899 | ( 5)020402<br>( 1)01040000 | 444<br>5 | 33333333353<br>JMT | L46<br>I6 |
| 38200214 | 40361014 | Seed analyst | ( 9)33002<br>( 10)10081899 | ( 5)020402<br>( 1)01020300 | 444<br>7 | 33332443453<br>MT | L46<br>B |
| 38200217 | 41381010 | Biology specimen technician | ( 9)33002<br>( 10)10081899 | ( 5)020402<br>( 4)BLANK | 433<br>7 | 33422422253<br>JMRT | S46<br>I |
| 38200220 | 49364010 | Feed-research aide | ( 9)33002<br>( 10)10081899 | ( 5)020402<br>( 4)BLANK | 322<br>4 | 33344344455<br>V | M4<br>B7 |
| 38200223 | 49384010 | Biological aide | ( 9)33002<br>( 10)10081899 | ( 5)020402<br>( 1)01020000 | 333<br>6 | 33433434345<br>R | M46<br>B |
| 38200226 | 408181010 | Tree surgeon | ( 2)00000<br>( 2)BLANK | ( 1)030103<br>( 1)01050100 | 422<br>6 | 23433434223<br>VJT | M2346<br>O467 |
| 38200229 | 411364010 | Blood tester, fowl | ( 2)00000<br>( 2)BLANK | ( 3)030405<br>( 4)01029900 | 322<br>2 | 33443534354<br>RM | M46<br>B |
| 38200232 | 411384010 | Poultry inseminator | ( 9)33002<br>( 10)10081899 | ( 3)030405<br>( 4)01029900 | 322<br>3 | 33443444354<br>MT | M4<br>B |
| 38200235 | 418384010 | Artificial inseminator | ( 9)33002<br>( 10)10081899 | ( 3)030405<br>( 4)01029900 | 332<br>3 | 33433334344<br>VJ | M246<br>B467 |
| 38200238 | 418384014 | Artificial-breeding technician | ( 9)33002<br>( 10)10081899 | ( 1)030204<br>( 4)01029900 | 332<br>6 | 33332333443<br>VJT | L346<br>I67 |

# CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 3831 CHEMICAL TECHNOLOGISTS AND TECHNICIANS

These people help chemists and chemical engineers develop and test chemicals and related products and equipment. Most do research and development work. Some work in production, where they put into operation the processes and products developed in the research labs. They also test materials, processes, and products to make sure they meet standards. Many workers in these jobs use computers and complex lab equipment.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 8 | 1 | | |
| % | 10 | 80 | 10 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 8 | 2 | 10 |
| % | | | 80 | 20 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | 4 | 9 | 1 | | | 7 | 1 |
| % | 10 | | | 40 | 90 | 10 | | | 70 | 10 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 4 | 5 | 1 | | = 10 |
| % | | | | 40 | 50 | 10 | | |
| M freq | | 1 | 1 | 3 | 4 | 1 | | = 10 |
| % | | 10 | 10 | 30 | 40 | 10 | | |
| L freq | | | 4 | 5 | | 1 | | = 10 |
| % | | | 40 | 50 | | 10 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 3 | 1 | 6 | | |
| % | | | | | 30 | 10 | 60 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | | | | | | 3 |
| % | 100 | | | | | | | | 30 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | 1 |
| | 2 | 7 | 7 | 5 | 2 | 5 | | | | | | 2 |
| | 3 | 3 | 3 | 5 | 7 | 3 | 7 | 7 | 8 | 8 | | 5 |
| | 4 | | | | 1 | 2 | 3 | 3 | 2 | 2 | 1 | 2 |
| | 5 | | | | | | | | | | 9 | |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | 10 |
| | 2 | 70 | 70 | 50 | 20 | 50 | | | | | | 20 |
| | 3 | 30 | 30 | 50 | 70 | 30 | 70 | 70 | 80 | 80 | | 50 |
| | 4 | | | | 10 | 20 | 30 | 30 | 20 | 20 | 10 | 20 |
| | 5 | | | | | | | | | | 90 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 38310205 | 22161014 | Colorist | ( 1)33004<br>( 10)10081899 | ( 5)020401<br>( 3)16010500 | 554<br>7 | 22234433351<br>DJM | L456<br>I |
| 38310208 | 22161018 | Perfumer | ( 7)33001<br>( 10)10081899 | ( 1)020102<br>( 3)BLANK | 554<br>7 | 22244444452<br>JMP | L56<br>I7 |
| 38310211 | 22261010 | Chemical-laboratory technician | ( 7)33001<br>( 10)10081899 | ( 5)020401<br>( 3)16010500 | 543<br>7 | 22332333354<br>MT | L46<br>I7 |
| 38310214 | 22261014 | Malt-specifications-control assistant | ( 2)33900<br>( 10)10081899 | ( 1)050203<br>( 2)16020300 | 443<br>7 | 22232344453<br>MT | S6<br>I |
| 38310217 | 22281010 | Assayer | ( 7)33001<br>( 10)10081899 | ( 5)020401<br>( 3)16010500 | 554<br>7 | 22323333353<br>MT | L46<br>I |
| 38310220 | 22281014 | Chemist, water purification | ( 7)33001<br>( 10)10081899 | ( 3)020402<br>( 3)BLANK | 666<br>7 | 22232333353<br>MT | L46<br>I |
| 38310223 | 22281018 | Laboratory tester | ( 7)33001<br>( 10)10081899 | ( 5)020401<br>( 2)16069900 | 433<br>6 | 22222343352<br>MT | L46<br>I |
| 38310226 | 22381010 | Yeast-culture developer | ( 2)33900<br>( 10)10081899 | ( 3)020402<br>( 3)BLANK | 424<br>5 | 33333433354<br>JV | M46<br>I |
| 38310229 | 29261010 | Laboratory tester | ( 7)33001<br>( 10)10081899 | ( 5)020401<br>( 2)16069900 | 443<br>5 | 33332333343<br>JMT | L46<br>I |
| 38310232 | 29361014 | Food tester | ( 7)33001<br>( 10)10081899 | ( 3)020402<br>( 2)16020300 | 554<br>5 | 33333333353<br>MT | L46<br>I7 |

# CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 3832 NUCLEAR TECHNOLOGISTS AND TECHNICIANS

These people work with radioacive materials. Some use remote control devices to prepare nuclear matter for shipping. Some test nuclear materials, or measure levels of radiation in work areas. Some record information about nuclear experiments and operations. These workers often use math formulas and complex instruments and equipment. They must use caution in performing their jobs, as the materials they work with are extremely dangerous.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| free | 1 | 5 | 1 | | |
| % | 14 | 71 | 14 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| free | | 1 | 7 | 5 | 7 |
| % | | 14 | 100 | 71 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| free | | | | 1 | 7 | 1 | | | 7 | 3 |
| % | | | | 14 | 100 | 14 | | | 100 | 43 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | free |
|---|---|---|---|---|---|---|---|---|
| R free | | | | 6 | 1 | | | = 7 |
| % | | | | 86 | 14 | | | |
| M free | | | 3 | 4 | | | | = 7 |
| % | | | 43 | 57 | | | | |
| L free | | | | 6 | 1 | | | = 7 |
| % | | | | 86 | 14 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| free | | | | | | 3 | 4 | | |
| % | | | | | | 43 | 57 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| free | 7 | | | | | | 1 | 5 | |
| % | 100 | | | | | | 14 | 71 | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | 1 | | 2 | 2 | | 1 | 2 | 1 | | |
| | 3 | 7 | 6 | 7 | 4 | 4 | 5 | 5 | 3 | 4 | 1 | 2 |
| | 4 | | | | 1 | 1 | 2 | 1 | 2 | 2 | 3 | 3 |
| | 5 | | | | | | | | | | 3 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | 14 | | 29 | 29 | | 14 | 29 | 14 | | |
| | 3 | 100 | 86 | 100 | 57 | 57 | 71 | 71 | 43 | 57 | 14 | 29 |
| | 4 | | | | 14 | 14 | 29 | 14 | 29 | 29 | 43 | 43 |
| | 5 | | | | | | | | | | 43 | 29 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 38320205 | 15362010 | Accelerator operator | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 545<br>7 | 32333332343<br>VMT | L456<br>I56 |
| 38320208 | 15362014 | Gamma-facilities operator | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 444<br>7 | 33333333353<br>MT | M3456<br>I |
| 38320211 | 15362018 | Hot-cell technician | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 434<br>7 | 33322422244<br>VMT | L456<br>I6 |
| 38320214 | 15362022 | Radioisotope-production operator | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 434<br>6 | 33333433334<br>MT | L46<br>I6 |
| 38320217 | 15362026 | Reactor operator, test-and-research | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 444<br>7 | 33333333344<br>VMT | L456<br>I6 |
| 38320220 | 15384010 | Scanner | ( 6)33001<br>( 6)10081899 | ( 6)020401<br>( 6)16011500 | 434<br>6 | 33322334455<br>JMT | S46<br>I |
| 38320223 | 199167010 | Radiation monitor | ( 1)34026<br>( 1)10121099 | ( 1)050308<br>( 1)07070200 | 444<br>6 | 33344344455<br>PMT | L456<br>I6 |

## CLASSIFICATION AND CODING DISTRIBUTIONS

8 Associated DOT Titles

## 3833 PETROLEUM TECHNOLOGISTS AND TECHNICIANS

These workers do technical tasks to support the prospecting, drilling, and production operations of an oil company. Some use special instruments to find land areas that contain oil deposits or to determine the amount of oil or gas a well will produce. Some collect information on the drilling, exploration, and leasing activities of other companies in order to identify promising areas to explore and lease. Some classify and sort rocks and fossils taken from a well to prepare them for lab tests. Some analyze samples of mud and drill cuttings to see if they contain oil or gas.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 8 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 7 | 3 | 7 |
| % | | | 88 | 38 | 88 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 4 | 7 | 2 | 1 | | 3 | 3 |
| % | | | | 50 | 88 | 25 | 13 | | 38 | 38 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 5 | 2 | | | = 8 |
| % | | | 13 | 63 | 25 | | | |
| M freq | | 1 | 1 | 5 | 1 | | | = 8 |
| % | | 13 | 13 | 63 | 13 | | | |
| L freq | | 1 | 2 | 4 | 1 | | | = 8 |
| % | | 13 | 25 | 50 | 13 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 2 | 5 | 1 | | |
| % | | | | | 25 | 63 | 13 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | 2 | 4 | | | 1 | 2 | | |
| % | 25 | 25 | 50 | | | 13 | 25 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 7 | 4 | 6 | 4 | 3 | 2 | | 1 | | | |
| | 3 | 1 | 4 | 2 | 3 | 4 | 5 | 4 | 4 | 7 | | 1 |
| | 4 | | | | 1 | 1 | 1 | 4 | 3 | 1 | | 3 |
| | 5 | | | | | | | | | | 8 | 4 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 88 | 50 | 75 | 50 | 38 | 25 | | 13 | | | |
| | 3 | 13 | 50 | 25 | 38 | 50 | 63 | 50 | 50 | 88 | | 13 |
| | 4 | | | | 13 | 13 | 13 | 50 | 38 | 13 | | 38 |
| | 5 | | | | | | | | | | 100 | 50 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 38330205 | 10261014 | Observer, electrical prospecting | ( 2)32005<br>( 2)10081804 | ( 5)050304<br>( 6)16011600 | 444<br>6 | 23222333354<br>JM | L46<br>B |
| 38330208 | 10261018 | Observer, gravity prospecting | ( 2)32005<br>( 2)10081804 | ( 5)050304<br>( 6)16011600 | 444<br>6 | 22234343355<br>VJM | L46<br>O |
| 38330211 | 10261022 | Surveyor, oil-well directional | ( 1)39000<br>( 1)10141404 | ( 5)050304<br>( 6)16011600 | 555<br>7 | 23322243354<br>MT | L456<br>B |
| 38330214 | 10267010 | Scout | ( 1)32007<br>( 1)10081809 | ( 5)050304<br>( 2)BLANK | 544<br>6 | 22222233355<br>VPJM | L56<br>B |
| 38330217 | 10281022 | Well-logging operator, mud analysis | ( 2)33001<br>( 3)10081899 | ( 3)020401<br>( 6)16011600 | 444<br>5 | 23233344353<br>MTV | L46<br>B5 |
| 38330220 | 24364010 | Paleontological helper | ( 1)33900<br>( 3)10081899 | ( 3)020401<br>( 2)BLANK | 322<br>6 | 33343334354<br>R | L46<br>I4 |
| 38330223 | 24381010 | Laboratory assistant | ( 2)33001<br>( 3)10081899 | ( 3)020401<br>( 6)16011600 | 443<br>5 | 22233432355<br>MT | L4<br>I |
| 38330226 | 930167010 | Technical operator | ( 1)55D10<br>( 1)50142206 | ( 5)050304<br>( 6)16011600 | 433<br>6 | 22223344455<br>JMP | L456<br>O5 |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 384 MATHEMATICAL TECHNICIANS

MATHEMATICAL TECHNICIANS use complex math to help engineers and scientists solve specific problems in industry or research. They study information to determine the best math approach to solve specific problems. They translate this information into numerical values, equations, flow charts, and graphs. They also may change standard math formulas to meet data processing requirements.

```
                              CODING TABLES                     Total count =   1
---------------------------------------------------   ---------------------------------------------------
PHY     S   L   M   H   V                              SVP       1   2   3   4   5   6   7   8   9
freq    1                                              freq                              1
%     100                                              %                               100
                                                       ---------------------------------------------------
                                                       ENV       I   O   B   2   3   4   5   6   7
PHY     2   3   4   5   6                              freq      1
freq                    1                              %       100
%                     100                              ---------------------------------------------------
---------------------------------------------------    APT       G   V   N   S   P   Q   K   F   M   E   C
TEMP    D   F   I   J   M   P   R   S   T   V                                frequency
freq                1   1               1   1          range 1
%                 100 100             100 100                2   1   1   1           1
---------------------------------------------------            3               1           1
           attributes                                        4                   1           1   1       1
  GED   1   2   3   4   5   6   7   freq                     5                                       1
 R freq                 1            = 1                                     percent
   %                  100                              range 1
 M freq                 1            = 1                     2 100 100 100         100
   %                  100                                    3             100         100
 L freq                 1            = 1                     4                 100         100 100     100
   %                  100                                    5                                     100

---------------------------------------------------   ---------------------------------------------------
                                                       OES Survey    GOE           GED  Aptitudes    Phy. Dem
 Unique   DOT                  DOT                     over          over          over over         over
 Code     Code                 Title                   OES Matrix    USOE          SVP  Temperaments Env. Cond

38400205  20162010  Mathematical technician            (  1)34015    (  1)110102   555  22234234454  S6
                                                       (  1)10081200 (  1)BLANK    7    VJMT         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

22 Associated DOT Titles

## 389 SCIENCE TECHNOLOGISTS AND TECHNICIANS, N.E.C.

These workers perform tasks to help scientists in lab and production work. They perform lab tests and help collect and study new information. They may inspect, install, repair, or adjust equipment and read meters and gauges. They may collect and record information and write technical reports. Their job duties range from testing smoke coming from smokestacks to studying aerial photographs to detect military bases.

### CODING TABLES

Total count = 22

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 19 | 2 | | |
| % | 5 | 86 | 9 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 1 | 20 | 6 | 20 |
| % | 5 | 5 | 91 | 27 | 91 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 6 | 21 | 1 | 2 | 1 | 16 | 6 |
| % | 9 | | | 27 | 95 | 5 | 9 | 5 | 73 | 27 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 12 | 10 | | | = 22 |
| % | | | | 55 | 45 | | | |
| M freq | | | 3 | 13 | 6 | | | = 22 |
| % | | | 14 | 59 | 27 | | | |
| L freq | | | 5 | 13 | 4 | | | = 22 |
| % | | | 23 | 59 | 18 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 6 | 10 | 6 | | |
| % | | | | | 27 | 45 | 27 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 17 | 2 | 3 | 1 | | 1 | 2 | 4 | 2 |
| % | 77 | 9 | 14 | 5 | | 5 | 9 | 18 | 9 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | | | | | | | | |
| | 2 | 11 | 7 | 10 | 9 | 12 | 3 | 1 | 3 | 1 | 1 | 2 |
| | 3 | 10 | 14 | 11 | 9 | 9 | 14 | 14 | 13 | 17 | 1 | 11 |
| | 4 | | | | 4 | | 5 | 5 | 6 | 3 | 7 | 6 |
| | 5 | | | | | 1 | | 2 | | 1 | 13 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | 5 | 5 | 5 | | | | | | | | |
| | 2 | 50 | 32 | 45 | 41 | 55 | 14 | 5 | 14 | 5 | 5 | 9 |
| | 3 | 45 | 64 | 50 | 41 | 41 | 64 | 64 | 59 | 77 | 5 | 50 |
| | 4 | | | | 18 | | 23 | 23 | 27 | 14 | 32 | 27 |
| | 5 | | | | | 5 | | 9 | | 5 | 59 | 14 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 38900205 | 12261010 | Air analyst | ( 7)33900<br>( 15)10081899 | ( 1)050104<br>( 2)16011099 | 554<br>5 | 23233333343<br>MT | L46<br>I |
| 38900208 | 12261014 | Quality-control technician | ( 2)32900<br>( 2)10081898 | ( 12)020401<br>( 2)16011303 | 554<br>7 | 22222333354<br>VMT | L456<br>I |
| 38900211 | 12281010 | Smoke tester | ( 7)33900<br>( 15)10081899 | ( 12)020401<br>( 2)16011099 | 443<br>5 | 33343333354<br>MT | L46<br>I |
| 38900214 | 19181010 | Laser technician | ( 7)33900<br>( 15)10081899 | ( 1)050101<br>( 8)BLANK | 544<br>7 | 22222322244<br>JMTV | L46<br>I |
| 38900217 | 19261010 | Biomedical equipment technician | ( 1)51024<br>( 1)50083224 | ( 2)020402<br>( 8)BLANK | 444<br>6 | 33322333353<br>MT | L46<br>I |
| 38900220 | 19261018 | Facilities planner | ( 3)39000<br>( 3)10141404 | ( 1)050106<br>( 1)16049900 | 555<br>7 | 22223332353<br>DJM | L456<br>I |
| 38900223 | 19261022 | Test technician | ( 3)39000<br>( 3)10141404 | ( 2)050307<br>( 2)16011303 | 444<br>6 | 33[illegible]33333354<br>MT | L46<br>B6 |
| 38900226 | 19381010 | Laboratory technician | ( 2)32900<br>( 2)10081898 | ( 12)020401<br>( 8)BLANK | 444<br>5 | 33335334355<br>M | L456<br>I |
| 38900229 | 25264010 | Hydrographer | ( 8)33001<br>( 15)10081899 | ( 12)020401<br>( 1)16010602 | 444<br>6 | 33232253335<br>JM | M46<br>O |
| 38900232 | 25267010 | Oceanographer, assistant | ( 1)00000<br>( 1)BLANK | ( 12)020401<br>( 8)BLANK | 554<br>7 | 22222333344<br>JTM | M245<br>I5 |
| 38900235 | 25267014 | Weather observer | ( 8)33001<br>( 15)10081899 | ( 12)020401<br>( 4)16069900 | 444<br>6 | 33232254555<br>JM | L6<br>I |
| 38900238 | 29167010 | Aerial-photograph interpreter | ( 3)39000<br>( 3)10141404 | ( 1)020102<br>( 8)BLANK | 555<br>7 | 23222344453<br>MT | S6<br>I |

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38900241  29261014  Pollution-control technician          (  7)33900     (  1)050308   444  33343344453  L46
                                                          ( 15)10081899  (  8)BLANK    6    MT           B

38900244  29261018  Test-engine operator                  (  8)33001     (  2)050307   443  23243443343  L4
                                                          ( 15)10081899  (  1)16011301 6    MT           I67

38900247  29261022  Tester                                (  8)33001     ( 12)020401   443  23233443343  L46
                                                          ( 15)10081899  (  1)16010500 6    MT           I67

38900250  29280010  Photo-optics technician               (  7)33900     ( 12)020401   543  22322433354  L46
                                                          ( 15)10081899  (  1)16011200 6    MT           I

38900253  29281010  Criminalist                           (  7)33900     ( 12)020401   545  11122244452  L3456
                                                          ( 15)10081899  (  8)BLANK    7    MPTV         B

38900256  29361010  Bottle-house quality-control          (  8)33001     (  2)020402   444  33333333343  L46
                    technician                            ( 15)10081899  (  4)16069900 6    RMT          I5

38900259  29361018  Laboratory assistant                  (  8)33001     ( 12)020401   555  22332432343  L46
                                                          ( 15)10081899  (  1)16011300 6    VMT          I

38900262  29381010  Cloth tester                          (  8)33001     ( 12)020401   434  33343333353  L46
                                                          ( 15)10081899  (  4)16069900 5    RM           I

38900265  29381014  Laboratory assistant                  (  8)33001     ( 12)020401   433  33332334352  L46
                                                          ( 15)10081899  (  4)16069900 5    VMT          I

38900268  29383010  Pilot, submersible                    (  7)33900     (  1)050402   534  22322433323  L456
                                                          ( 15)10081899  (  8)BLANK    5    DJSV         0246
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 392 AIR TRAFFIC CONTROLLERS

These workers direct and control air traffic while planes and other aircraft take off, land, and are in the air. They keep track of planes flying in their assigned area and talk to the pilots by radio to give them instructions and information. Their first concern is safety, but they must also make sure that planes quickly enter and leave the airport to cut down on delays. Some regulate airport traffic. Others regulate flights between airports.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 2 | | | |
| % | 60 | 40 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 5 | 2 |
| % | | | 80 | 100 | 40 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 4 | 1 | 3 | | 3 | | 3 |
| % | 40 | | | 80 | 20 | 60 | | 60 | | 60 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 2 | | | = 5 |
| % | | | | 60 | 40 | | | |
| M freq | | | 3 | 2 | | | | = 5 |
| % | | | 60 | 40 | | | | |
| L freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 2 | 3 | |
| % | | | | | | | 40 | 60 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 3 | 1 | | | 1 | | | | | |
| | 3 | | 2 | 4 | 3 | 4 | 4 | | 2 | 2 | | 4 |
| | 4 | | | | 2 | 1 | | 5 | 3 | 3 | | 1 |
| | 5 | | | | | | | | | | 5 | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 60 | 20 | | | 20 | | | | | |
| | 3 | | 40 | 80 | 60 | 80 | 80 | | 40 | 40 | | 80 |
| | 4 | | | | 40 | 20 | | 100 | 60 | 60 | | 20 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39200205 | 193162010 | Air-traffic coordinator | ( 4)34002<br>( 4)10140400 | ( 5)050303<br>( 3)17040300 | 434<br>8 | 22333344453<br>VSJ | L456<br>I |
| 39200208 | 193162014 | Air-traffic-control specialist, station | ( 4)34002<br>( 4)10140400 | ( 5)050303<br>( 3)17040300 | 434<br>7 | 23344343254<br>VPJ | S45<br>I |
| 39200211 | 193162018 | Air-traffic-control specialist, tower | ( 4)34002<br>( 4)10140400 | ( 5)050303<br>( 3)17040300 | 434<br>8 | 23333343353<br>VSJ | L456<br>I |
| 39200214 | 193167010 | Chief controller | ( 4)34002<br>( 4)10140400 | ( 5)050303<br>( 2)BLANK | 544<br>7 | 22333344453<br>DJP | S5<br>I |
| 39200217 | 912167010 | Dispatcher | ( 1)62012<br>( 1)40061801 | ( 5)050303<br>( 2)BLANK | 544<br>8 | 22243244453<br>DPSM | S45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

## 393 RADIO OPERATORS

These workers operate radio equipment to communicate with aircraft, ships, or other ground stations, or to transmit radio and TV broadcasts. They also may test, repair, and maintain the equipment. Their jobs vary. Some send weather and other information to flight crews. Some send and receive radio photographs. Some receive radio signals from emergency units, enemy groups, or ships in distress. Some control sight and sound equipment used in TV broadcasting.

### CODING TABLES

Total count = 16

```
PHY      S   L   M   H   V
freq    11   5
%       69  31


PHY      2   3   4   5   6
freq            15  15   9
%               94  94  56
------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq     2           6  13   3   1      13   7
%       13          38  81  19   6      81  44
------------------------------------------------
               attributes
   GED     1   2   3   4   5   6   7   freq
 R freq                12   4           = 16
   %                   75  25
 M freq        1   5  10                = 16
   %           6  31  63
 L freq            4   9   3            = 16
   %              25  56  19
```

```
SVP     1   2   3   4   5   6   7   8   9
freq                        4  11   1
%                          25  69   6
----------------------------------------------------
ENV     I   0   B   2   3   4   5   6   7
freq   14       2                   1
%      88      13                   6
----------------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                           frequency
range 1
      2    9   9       3   6   2   2   5   2       1
      3    7   7  14  10   7   9  12   9  12       2
      4               2   3   3   5   2   2   2   2   7
      5                                        14   6
                            percent
range 1
      2   56  56      19  38  13  13  31  13       6
      3   44  44  88  63  44  56  75  56  75      13
      4           13  19  19  31  13  13  13  13  44
      5                                       88  38
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39300205 | 193162022 | Airline-radio operator, chief | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 444<br>8 | 22333333344<br>DT | S45<br>I |
| 39300208 | 193167014 | Field supervisor, broadcast | ( 10)34027<br>( 10)10141000 | ( 7)050305<br>( 12)BLANK | 545<br>7 | 22323333355<br>VDPMT | L5<br>B |
| 39300211 | 193262010 | Airline-radio operator | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 444<br>7 | 22343232254<br>VPM | S45<br>I |
| 39300214 | 193262014 | Dispatcher | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 434<br>6 | 33444344355<br>V | S45<br>I |
| 39300217 | 193262018 | Field engineer | ( 5)32017<br>( 5)10080808 | ( 7)050305<br>( 12)BLANK | 545<br>7 | 22332333353<br>VMT | L456<br>B |
| 39300220 | 193262022 | Radio officer | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 433<br>7 | 22332332244<br>MT | S456<br>I6 |
| 39300223 | 193262026 | Radio station operator | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 544<br>6 | 22322433354<br>MT | S456<br>I |
| 39300226 | 193262030 | Radiotelegraph operator | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 1)14040100 | 423<br>7 | 33444232455<br>JMT | S45<br>I |
| 39300229 | 193262034 | Radiotelephone operator | ( 10)34027<br>( 10)10141000 | ( 7)050305<br>( 12)BLANK | 434<br>7 | 33322333355<br>VPT | L456<br>I |
| 39300232 | 193262038 | Transmitter operator | ( 5)32017<br>( 5)10080808 | ( 7)050305<br>( 3)16010800 | 444<br>7 | 22332432353<br>JMT | L456<br>I |
| 39300235 | 193362010 | Photoradio operator | ( 10)34027<br>( 10)10141000 | ( 7)070405<br>( 12)BLANK | 444<br>6 | 33333332354<br>VMT | S46<br>I |
| 39300238 | 193362014 | Radio-intelligence operator | ( 10)34027<br>( 10)10141000 | ( 7)050305<br>( 12)BLANK | 434<br>6 | 33334344455<br>RM | S45<br>I |

```
39300241 193382010  Electronic intellisence operations       (  1)00000     (  7)050305   434  22333333355  S45
                    specialist                                (  1)BLANK     (  1)BLANK    7    JMTV         I
39300244 194262010  Audio operator                            (  5)32017     (  2)051005   443  33333423354  L456
                                                              (  5)10080808  (  3)16010800 7    JMT          I
39300247 194282010  Video operator                            (  5)32017     (  7)050305   545  22332433352  S456
                                                              (  5)10080808  (  3)16010800 7    JMT          I
39300250 194362018  Telecine operator                         (  5)32017     (  2)051005   443  33333423354  S456
                                                              (  5)10080808  ( 12)BLANK    7    JMT          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

### 396 LEGAL TECHNICIANS

LEGAL TECHNICIANS assist lawyers and others in the legal field. They do such things as search for public records and prepare lists or summaries of legal documents. Some study papers to see if they meet legal requirements. Others hold funds and records until legal contracts are fulfilled. Sometimes they help lawyers prepare drafts of legal documents such as briefs, wills, contracts, deeds, sworn statements, or patent applications.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 9 | 1 | | | |
| % | 90 | 10 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 5 | 6 | 3 |
| % | | 10 | 50 | 60 | 30 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | 1 | 2 | 5 | 8 | 4 | | | 7 | 3 |
| % | 20 | 10 | 20 | 50 | 80 | 40 | | | 70 | 30 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 1 | 7 | 1 | | = 10 |
| % | | | 10 | 10 | 70 | 10 | | |
| M freq | 1 | 3 | 4 | 1 | 1 | | | = 10 |
| % | 10 | 30 | 40 | 10 | 10 | | | |
| L freq | | | 2 | | 7 | 1 | | = 10 |
| % | | | 20 | | 70 | 10 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 2 | 5 | 2 | |
| % | | | | | 10 | 20 | 50 | 20 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | 6 | | | | | | | | | |
| | 2 | 8 | 1 | 2 | 1 | | 6 | | | | | |
| | 3 | 2 | 3 | 7 | 1 | 2 | 3 | 1 | 1 | 1 | | |
| | 4 | | | 1 | 8 | 8 | 1 | 9 | 9 | 8 | 2 | 3 |
| | 5 | | | | | | | | | 1 | 8 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | | 60 | | | | | | | | | |
| | 2 | 80 | 10 | 20 | 10 | | 60 | | | | | |
| | 3 | 20 | 30 | 70 | 10 | 20 | 30 | 10 | 10 | 10 | | |
| | 4 | | | 10 | 80 | 80 | 10 | 90 | 90 | 80 | 20 | 30 |
| | 5 | | | | | | | | | 10 | 80 | 70 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39600205 | 119167014 | Patent agent | ( 2)39000<br>( 2)10141404 | ( 2)110404<br>( 7)BLANK | 656<br>7 | 21223444554<br>IJF | S56<br>I |
| 39600208 | 119167018 | Title supervisor | ( 1)19000<br>( 1)20061699 | ( 4)070105<br>( 7)BLANK | 535<br>8 | 21333244455<br>DPJMT | S45<br>I |
| 39600211 | 119267010 | Abstractor | ( 2)25485<br>( 2)10243811 | ( 2)110404<br>( 7)BLANK | 535<br>6 | 21444244455<br>MT | S4<br>I |
| 39600214 | 119267018 | Contract clerk | ( 2)39000<br>( 2)10141404 | ( 4)070105<br>( 7)BLANK | 525<br>7 | 21344344455<br>JMTV | S46<br>I |
| 39600217 | 119267022 | Legal investigator | ( 1)25462<br>( 1)10242203 | ( 2)110402<br>( 7)BLANK | 525<br>7 | 21344344455<br>DIMP | S5<br>I |
| 39600220 | 119267026 | Para-legal assistant | ( 1)25445<br>( 1)10242201 | ( 2)110402<br>( 7)BLANK | 525<br>7 | 21344344455<br>MPTV | S<br>I |
| 39600223 | 119287010 | Title examiner | ( 2)25485<br>( 2)10243811 | ( 4)070105<br>( 7)BLANK | 535<br>7 | 22344244455<br>JMT | S45<br>I |
| 39600226 | 119367010 | Escrow officer | ( 1)29000<br>( 2)10243899 | ( 1)070104<br>( 2)14089900 | 433<br>8 | 23244233344<br>MT | S5<br>I |
| 39600229 | 162267010 | Title clerk | ( 1)25484<br>( 2)10243899 | ( 4)070105<br>( 2)14089900 | 545<br>6 | 33344244444<br>JPV | S5<br>I |
| 39600232 | 209367046 | Title searcher | ( 1)61384<br>( 1)40066825 | ( 1)070502<br>( 1)14039900 | 313<br>5 | 33344244455<br>MT | L346<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 3971 PROGRAMMERS, BUSINESS

These workers write computer programs to help businesses do audits, keep payroll records, and handle other types of information. Programs are detailed instructions that list steps machines must follow to organize data, solve problems, or do other tasks. **PROGRAMMERS** write specific programs for each problem. They break each step into a series of coded instructions, using one of the languages developed for computers. They test the programs and then prepare instruction sheets for workers to use in running them.

CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 2 | 3 |
| % | | | 67 | 67 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | 1 | 3 | 1 | | | 2 | 1 |
| % | 67 | | | 33 | 100 | 33 | | | 67 | 33 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 3 | | | = 3 |
| % | | | | | 100 | | | |
| M freq | | | | | 3 | | | = 3 |
| % | | | | | 100 | | | |
| L freq | | | | 1 | 2 | | | = 3 |
| % | | | | 33 | 67 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 3 | | |
| % | | | | | | | 100 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | 1 | 1 | | | 1 | | | | | |
| | 2 | 2 | 2 | 2 | 3 | 1 | 2 | | | | | |
| | 3 | | | | | 2 | | | | | | |
| | 4 | | | | | | | 3 | 3 | 3 | 1 | 1 |
| | 5 | | | | | | | | | | 2 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | 33 | 33 | 33 | | | 33 | | | | | |
| | 2 | 67 | 67 | 67 | 100 | 33 | 67 | | | | | |
| | 3 | | | | | 67 | | | | | | |
| | 4 | | | | | | | 100 | 100 | 100 | 33 | 33 |
| | 5 | | | | | | | | | | 67 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39710205 | 20162014 | Programer, business | ( 3)31000<br>( 3)10160200 | ( 3)110101<br>( 2)14020300 | 554<br>7 | 22223244454<br>DMT | S56<br>I |
| 39710208 | 20167018 | Programer, chief, business | ( 3)31000<br>( 3)10160200 | ( 3)110101<br>( 2)14020300 | 555<br>7 | 22223244445<br>VDPJM | S456<br>I |
| 39710211 | 20187010 | Programer, information system | ( 3)31000<br>( 3)10160200 | ( 3)110101<br>( 1)BLANK | 555<br>7 | 11122144455<br>MT | S46<br>I |

1 Associated DOT Titles

## 3972 PROGRAMMERS, SCIENTIFIC

These people write computer programs to help solve math, engineering, and scientific problems. Programs are detailed instructions that list the steps computers must follow to organize data or solve a problem. **PROGRAMMERS** study problem descriptions and then write specific programs for each problem. They break down coded instructions, using one of the special languages developed for computers. They test the programs to see if they work correctly and then prepare instructions for workers to use in running them.

CODING TABLES                                    Total count =   1

```
PHY     S   L   M   H   V
freq    1
%     100


PHY     2   3   4   5   6
freq                1   1
%                 100 100
----------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
freq                1   1
%                 100 100
----------------------------------------------
                attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                       1         = 1
   %                        100
 M freq                       1         = 1
   %                        100
 L freq                       1         = 1
   %                        100
----------------------------------------------

Unique   DOT                     DOT
Code     Code                    Title

39720205  20167022  Programer, engineering and
                    scientific
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                                 1
%                                  100
----------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
----------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1  1   1   1
      2              1       1
      3                  1
      4                          1   1   1   1
      5                                          1
                          percent
range 1 100 100 100
      2            100     100
      3                100
      4                        100 100 100 100
      5                                        100
----------------------------------------------
OES Survey     GOE          GED Aptitudes   Phy. Dem
over           over         over over       over
OES Matrix     USOE         SVP Temperaments Env. Cond

(  1)31000     (  1)110101  666 11123244445 S56
(  1)10160200  (  1)16011700 8  JM          I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 3974 PROGRAMMERS: NUMERICAL, TOOL, AND PROCESS CONTROL

These people write computer programs used in industry to control machine processes. They study drawings and design data (information) to find out how machines work, and then write step-by-step instructions for the machines to follow in making a product or controlling a system. Some write programs used in steel making, fuel recovery, product testing, and other process control systems. Others write instructions for machines to follow in shaping metal parts.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | | | | |
| % | 100 | | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | | 2 |
| % | | | | | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | 2 | | 1 | | 2 | |
| % | 50 | | | | 100 | | 50 | | 100 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | | 2 | | | = 2 |
| % | | | | | 100 | | | |
| M freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |
| L freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | | 1 | 1 | |
| % | | | | | | | 50 | 50 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | 1 | 1 | 1 | | | | | | | | |
| | 2 | 1 | | 1 | 2 | 1 | 1 | | | | | |
| | 3 | | 1 | | | 1 | 1 | | | | | |
| | 4 | | | | | | | 2 | 2 | 2 | | |
| | 5 | | | | | | | | | | 2 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | 50 | 50 | 50 | | | | | | | | |
| | 2 | 50 | | 50 | 100 | 50 | 50 | | | | | |
| | 3 | | 50 | | | 50 | 50 | | | | | |
| | 4 | | | | | | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39740205 | 7167018 | Tool programer, numerical control | ( 1)32011<br>( 1)10141200 | ( 1)050106<br>( 1)16011300 | 544<br>8 | 23222344455<br>DMT | S6<br>I |
| 39740208 | 20187014 | Programer, process control | ( 1)31000<br>( 1)10160200 | ( 1)110101<br>( 1)BLANK | 555<br>7 | 11123244455<br>MTR | S6<br>I |

# CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 398 TECHNICAL WRITERS

These people research, write, and edit technical materials. They put technical information into readable language. They study reports, blueprints and other technical matter and talk with engineers or scientists to get information. They use this information to write manuals, training materials, and research reports. They write proposals to get money to conduct projects, develop products, or do research. A few write speeches and news releases. They also may prepare tables, charts, and artwork for publication.

CODING TABLES                    Total count =   1

```
-----------------------------------------------------
PHY      S   L   M   H   V
freq     1
%      100


PHY      2   3   4   5   6
freq             1   1   1
%              100 100 100
-----------------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq                 1   1                   1
%                  100 100                 100
-----------------------------------------------------
                   attributes
    GED     1   2   3   4   5   6   7   free
  R freq                    1             = 1
    %                     100
  M freq            1                     = 1
    %             100
  L freq                    1             = 1
    %                     100

-----------------------------------------------------

 Unique  DOT                          DOT
 Code    Code                         Title

39800205 131267026  Writer, technical publications
```

```
-----------------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                             1
%                              100
-----------------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
-----------------------------------------------------------
APT         G   V   N   S   P   Q   K   F   M   E   C
                        frequency
range 1         1
      2     1           1
      3             1       1   1
      4                         1   1   1
      5                                         1   1
                         percent
range 1       100
      2   100         100
      3           100     100 100
                                100 100 100
      4
      5                                       100 100

-----------------------------------------------------------
OES Survey     GOE            GED  Aptitudes    Phy. Dem
over           over           over over         over
OES Matrix     USOE           SVP  Temperaments Env. Cond

(  1)25436     (  1)110802    535  21323344455  S456
(  1)10221201  (  1)16011100  7    VJM          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

34 Associated DOT Titles

### 399 TECHNICIANS, N.E.C.

Workers in these jobs perform various tasks that require special skills and knowledge. For example, some identify fingerprints or decode secret messages. Some stuff and mount dead animals or preserve human corpses. Some explore areas of land to find mineral deposits. Some help plan cities. Many of these jobs require specialized training in a particular field. Others may be learned through on-the-job training.

CODING TABLES

Total count = 34

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 21 | 6 | 3 | 1 |
| % | 9 | 62 | 18 | 9 | 3 |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 2 | 6 | 30 | 16 | 30 |
| % | 6 | 18 | 88 | 47 | 88 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | 2 | 1 | 16 | 28 | 7 | | | 23 | 14 |
| % | 6 | 6 | 3 | 47 | 82 | 21 | | | 68 | 41 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | [illegible] | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 4 | 25 | 5 | | | = 34 |
| % | | | 12 | 74 | 15 | | | |
| M freq | 1 | 8 | 14 | 10 | 1 | | | = 34 |
| % | 3 | 24 | 41 | 29 | 3 | | | |
| L freq | | 4 | 11 | 16 | 3 | | | = 34 |
| % | | 12 | 32 | 47 | 9 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 6 | 14 | 12 | 1 | |
| % | | | | 3 | 18 | 41 | 35 | 3 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 26 | 2 | 6 | | | 1 | 3 | 7 | 5 |
| % | 76 | 6 | 18 | | | 3 | 9 | 21 | 15 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | 1 | | | | | | | | | 1 |
| | 2 | 10 | 9 | 4 | 8 | 12 | 6 | 1 | 3 | 2 | | |
| | 3 | 24 | 21 | 22 | 20 | 17 | 11 | 21 | 18 | 22 | 3 | 14 |
| | 4 | | 3 | 8 | 6 | 5 | 15 | 12 | 13 | 9 | 5 | 11 |
| | 5 | | | | | | 2 | | | 1 | 26 | 8 |
| | | | | | | percent | | | | | | |
| range | 1 | | 3 | | | | | | | | | 3 |
| | 2 | 29 | 26 | 12 | 24 | 35 | 18 | 3 | 9 | 6 | | |
| | 3 | 71 | 62 | 65 | 59 | 50 | 32 | 62 | 53 | 65 | 9 | 41 |
| | 4 | | 9 | 24 | 18 | 15 | 44 | 35 | 38 | 26 | 15 | 32 |
| | 5 | | | | | | 6 | | | 3 | 76 | 24 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 39900205 | 24284010 | Prospector | ( 16)39000<br>( 16)10141404 | ( 1)050304<br>( 27)BLANK | 444<br>7 | 33333444443<br>JM | H346<br>O |
| 39900208 | 99327010 | Teacher aide I | ( 1)61410<br>( 1)40065600 | ( 1)110201<br>( 27)BLANK | 444<br>6 | 32333233353<br>JPV | S56<br>I |
| 39900211 | 100367018 | Library technical assistant | ( 1)34029<br>( 1)10141405 | ( 1)110204<br>( 27)BLANK | 433<br>5 | 33243244455<br>PV | L46<br>I |
| 39900214 | 102367010 | Fine arts packer | ( 16)39000<br>( 16)10141404 | ( 1)050309<br>( 27)BLANK | 433<br>7 | 22324444554<br>DJMP | M456<br>I |
| 39900217 | 199171010 | Proof technician | ( 16)39000<br>( 16)10141404 | ( 6)020401<br>( 27)BLANK | 444<br>6 | 23232333354<br>VMT | L46<br>I56 |
| 39900220 | 199251010 | Tester, food products | ( 16)39000<br>( 16)10141404 | ( 1)050517<br>( 1)09020300 | 434<br>6 | 32343344254<br>IJMPT | L456<br>I |
| 39900223 | 199261010 | Taxidermist | ( 1)34035<br>( 1)10141403 | ( 3)010602<br>( 27)BLANK | 534<br>7 | 22322322251<br>VJMT | M46<br>I7 |
| 39900226 | 199267010 | Ballistics expert, forensic | ( 2)33900<br>( 2)10081899 | ( 6)020401<br>( 27)BLANK | 555<br>7 | 22222333333<br>JMV | L456<br>I5 |
| 39900232 | 199267018 | Examination proctor | ( 16)39000<br>( 16)10141404 | ( 1)070107<br>( 27)BLANK | 434<br>5 | 32343344455<br>PM | L45<br>I |
| 39900235 | 199267022 | Examiner, questioned documents | ( 16)39000<br>( 16)10141404 | ( 6)020401<br>( 27)BLANK | 524<br>6 | 22322244454<br>JM | L56<br>I |
| 39900238 | 199267026 | Polygraph examiner | ( 16)39000<br>( 16)10141404 | ( 4)020402<br>( 27)BLANK | 535<br>5 | 21432234354<br>JMPT | L456<br>I |
| 39900241 | 199267030 | Traffic technician | ( 1)32012<br>( 1)10081813 | ( 1)050306<br>( 27)BLANK | 545<br>7 | 22223344454<br>VJ | L456<br>I5 |

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39900244 199281010  Gemologist                              ( 16)39000     (  1)050514   434  22322433353  L46
                                                            ( 16)10141404  ( 27)BLANK    7    MT           I

39900247 199361010  Radiographer                            (  1)32009     (  1)050305   444  33333433343  L46
                                                            (  2)10081898  (  1)17200200 5    MT           I6

39900250 199364010  City planning aide                      ( 16)39000     (  1)110302   444  33332233454  L56
                                                            ( 16)10141404  ( 27)BLANK    6    TV           B

39900253 199364014  Scientific helper                       (  2)33900     (  6)020401   444  33332333333  M46
                                                            (  2)10081899  (  1)16011500 6    MT           B

39900256 199384010  Decontaminator                          ( 16)39000     (  6)020401   333  33444444355  M46
                                                            ( 16)10141404  (  1)17209900 6    VM           I467

39900259 199387010  Television-schedule coordinator         (  1)61386     (  1)070501   434  33344244455  S46
                                                            (  1)40066826  ( 27)BLANK    4    MT           I

39900262 199682010  Aerospace physiological technician      ( 16)39000     (  4)020402   433  34433433354  S46
                                                            ( 16)10141404  ( 27)BLANK    6    MTV          I

39900265 338371010  Embalmer apprentice                     (  2)25437     (  4)020402   444  23332432353  H346
                                                            (  2)10140600  ( 27)BLANK    7    VMTJ         I67

39900268 338371014  Embalmer                                (  2)25437     (  4)020402   444  23332432353  H346
                                                            (  2)10140600  (  1)07090900 7    VMTJ         I67

39900271 375387010  Fingerprint classifier                  ( 16)39000     (  6)020401   423  34422344455  L6
                                                            ( 16)10141404  (  1)17280200 6    MT           I

39900274 726261010  Electronics assembler, developmental    ( 16)39000     (  2)050505   444  33333433353  L456
                                                            ( 16)10141404  ( 27)BLANK    7    MT           I

39900277 726281010  Electrician, research                   ( 16)39000     (  2)050505   433  33333333354  L46
                                                            ( 16)10141404  ( 27)BLANK    7    JMT          I

39900280 962267010  Sight-effects specialist                (  3)32018     (  2)051003   433  33323344453  L456
                                                            (  3)10081815  ( 27)BLANK    8    DPJF         I

39900283 962281014  Sound-effects technician                (  2)32015     (  3)010602   434  33434433355  L45
                                                            (  2)10080801  ( 27)BLANK    6    VF           I

39900286 962281018  Special effects specialist              (  1)34032     (  3)010602   433  33333533333  M2346
                                                            (  1)10141402  ( 27)BLANK    6    VMT          B67

39900289 962362010  Communications technician               ( 16)39000     (  1)010301   423  33332333343  L456
                                                            ( 16)10141404  ( 27)BLANK    7    JMT          B

39900292 962362014  Light technician                        (  3)32018     (  2)051003   423  33333433353  L46
                                                            (  3)10081815  ( 27)BLANK    7    JMT          I

39900295 962381014  Lighting-equipment operator             (  3)32018     (  1)051216   423  33433433343  L346
                                                            (  3)10081815  (  1)17100200 6    MT           I

39900298 962382010  Recordist                               (  2)32015     (  2)051005   322  33343443355  L45
                                                            (  2)10080801  ( 27)BLANK    6    JMT          B

39900301 962384010  Microphone-boom operator                (  1)55B92     (  2)051005   312  33434434345  L4
                                                            (  2)10081898  ( 27)BLANK    5    MT           I

39900304 962664010  High rigger                             (  1)55C22     (  1)051001   322  34433433334  V23456
                                                            (  1)80001011  ( 27)BLANK    6    VMT          I6

39900307 969664010  Fireworks display specialist            ( 16)39000     (  1)051006   422  33333533354  M456
                                                            ( 16)10141404  ( 27)BLANK    5    MT           0
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## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

### 401 SUPERVISORS; SALES OCCUPATIONS, INSURANCE, REAL ESTATE, & BUSINESS SERVICES

These workers manage businesses or offices involved in the sale of insurance, real estate, or business services. They plan, organize, and control business operations through staff. They establish work procedures, assign duties to staff, and coordinate staff activities. They interpret and enforce company policies, prepare business reports, and help staff solve difficult problems. They direct the hiring, training, and evaluation of staff. They also approve purchase requests, resolve customer and staff complaints, and may direct sales campaigns.

CODING TABLES Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 2 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 4 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | 3 | 1 | 3 | | | | 1 |
| % | 100 | | | 75 | 25 | 75 | | | | 25 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 1 | | | = 4 |
| % | | | | 75 | 25 | | | |
| M freq | | | 1 | 3 | | | | = 4 |
| % | | | 25 | 75 | | | | |
| L freq | | | | 4 | | | | = 4 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 2 | 1 | |
| % | | | | | | 25 | 50 | 25 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 3 | 3 | | | | | | | | | |
| 3 | 1 | 1 | 4 | | | 2 | | | | | |
| 4 | | | | 4 | 4 | 2 | 4 | 3 | 3 | | 1 |
| 5 | | | | | | | | 1 | 1 | 4 | 3 |
| percent | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 75 | 75 | | | | | | | | | |
| 3 | 25 | 25 | 100 | | | 50 | | | | | |
| 4 | | | | 100 | 100 | 50 | 100 | 75 | 75 | | 25 |
| 5 | | | | | | | | 25 | 25 | 100 | 75 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 40100205 | 185167026 | Manager, machinery-or-equipment, rental and leasing | ( 1)10035<br>( 1)20061612 | ( 1)111105<br>( 1)04160000 | 444<br>6 | 33344444455<br>DP | L5<br>I |
| 40100208 | 186167034 | Manager, insurance office | ( 3)19000<br>( 3)20061699 | ( 3)111104<br>( 1)04130000 | 544<br>8 | 22344344455<br>DJP | S5<br>I |
| 40100211 | 187167098 | Manager, employment agency | ( 3)19000<br>( 3)20061699 | ( 3)111104<br>( 1)BLANK | 434<br>7 | 22344344455<br>DJV | S5<br>I |
| 40100214 | 187167138 | Manager, sales | ( 3)19000<br>( 3)20061699 | ( 3)111104<br>( 1)04150000 | 444<br>7 | 22344445554<br>DPJM | L5<br>I |

8 Associated DOT Titles

## 402 SUPERVISORS; SALES OCCUPATIONS (COMMODITIES EXCEPT RETAIL)

These people manage wholesale businesses. They supervise workers who receive, store, and sell wholesale products. They estimate consumer demands and determine the types and amounts of goods or services to be sold. They determine prices, credit policies, and work procedures. They plan budgets and arrange for stock to be bought for resale. They hire, train, and fire staff. They count and deposit money received, check inventories, and keep business records. They enforce safety, health, and security rules and resolve customer and staff complaints.

### CODING TABLES

Total count = 8

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 4 | 1 | | |
| % | 38 | 50 | 13 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 5 | 8 | 2 |
| % | | 13 | 63 | 100 | 25 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 8 | | 3 | 3 | 3 | 8 | | | | 3 |
| % | 100 | | 38 | 38 | 38 | 100 | | | | 38 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 5 | 3 | | | = 8 |
| % | | | | 63 | 38 | | | |
| M freq | | | 4 | 3 | 1 | | | = 8 |
| % | | | 50 | 38 | 13 | | | |
| L freq | | | 3 | 4 | 1 | | | = 8 |
| % | | | 38 | 50 | 13 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 4 | 1 | 2 | |
| % | | | | | 13 | 50 | 13 | 25 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 1 | 1 | | | | | |
| % | 88 | | 13 | 13 | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 7 | 4 | 1 | | | 1 | | | | | 1 |
| | 3 | 1 | 4 | 7 | 2 | 3 | 6 | 1 | | 1 | | 1 |
| | 4 | | | | 6 | 5 | 1 | 7 | 8 | 7 | | 1 |
| | 5 | | | | | | | | | | 8 | 5 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 88 | 50 | 13 | | | 13 | | | | | 13 |
| | 3 | 13 | 50 | 88 | 25 | 38 | 75 | 13 | | 13 | | 13 |
| | 4 | | | | 75 | 63 | 13 | 88 | 100 | 88 | | 13 |
| | 5 | | | | | | | | | | 100 | 63 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 40200205 | 185157018 | Wholesaler II | ( 2)10048<br>( 2)20061615 | ( 2)110504<br>( 4)BLANK | 545<br>7 | 22344344454<br>VDPIM | S5<br>I |
| 40200208 | 185167010 | Commissary manager | ( 6)19000<br>( 6)20061699 | ( 4)111105<br>( 1)04060000 | 443<br>6 | 23344344455<br>VDP | L35<br>I |
| 40200211 | 185167018 | Manager, distribution warehouse | ( 6)19000<br>( 6)20061699 | ( 1)111103<br>( 2)04310000 | 534<br>6 | 22344344455<br>VDPM | S45<br>I |
| 40200214 | 185167030 | Manager, meat sales and storage | ( 6)19000<br>( 6)20061699 | ( 4)111105<br>( 1)04190000 | 433<br>6 | 33333334353<br>DPJ | M456<br>I2 |
| 40200217 | 185167050 | Manager, textile conversion | ( 6)19000<br>( 6)20061699 | ( 4)111105<br>( 4)BLANK | 444<br>6 | 23333244452<br>DPJ | L456<br>I |
| 40200220 | 185167054 | Manager, tobacco warehouse | ( 6)19000<br>( 6)20061699 | ( 4)111105<br>( 4)BLANK | 433<br>8 | 23344344455<br>DPI | L45<br>I |
| 40200223 | 185167070 | Wholesaler I | ( 2)10048<br>( 2)20061615 | ( 2)110504<br>( 2)04310000 | 554<br>8 | 22243444455<br>DP | S45<br>B |
| 40200226 | 299137014 | Sales supervisor, malt liquors | ( 6)19000<br>( 6)20061699 | ( 1)080201<br>( 4)BLANK | 434<br>5 | 22344344455<br>DPIJM | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

## 403 SUPERVISORS; SALES OCCUPATIONS, RETAIL

These people plan, organize, and control the operations of a retail business or department. They estimate consumer demands and decide the types and amounts of goods or services to be sold. They determine prices, credit, policies, and operating procedures. They plan budgets, and authorize payments. They hire and train staff, assign duties, set salaries, and promote and fire workers. They enforce safety, health, and security rules. They count and deposit money received, order goods, take inventories, and keep accounts and other records. They also handle customer complaints and may perform some or all of the duties of their workers.

### CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 10 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 4 | 10 | 3 |
| % | | | 40 | 100 | 30 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | | 1 | 4 | 3 | 10 | | | | 4 |
| % | 100 | | 10 | 40 | 30 | 100 | | | | 40 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 2 | 7 | 1 | | | = 10 |
| % | | | 20 | 70 | 10 | | | |
| M freq | | 2 | 5 | 3 | | | | = 10 |
| % | | 20 | 50 | 30 | | | | |
| L freq | | | 5 | 5 | | | | = 10 |
| % | | | 50 | 50 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 2 | 4 | 4 | | |
| % | | | | | 20 | 40 | 40 | | |

| ENV | 1 | 0 | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | | 3 | 1 | | 1 | 1 | | |
| % | 70 | | 30 | 10 | | 10 | 10 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 4 | 4 | | | | 1 | | | | | |
| | 3 | 6 | 6 | 10 | 4 | 7 | 8 | 2 | 2 | 2 | | 1 |
| | 4 | | | | 6 | 3 | 1 | 8 | 8 | 8 | 2 | 4 |
| | 5 | | | | | | | | | | 8 | 5 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 40 | 40 | | | | 10 | | | | | |
| | 3 | 60 | 60 | 100 | 40 | 70 | 80 | 20 | 20 | 20 | | 10 |
| | 4 | | | | 60 | 30 | 10 | 80 | 80 | 80 | 20 | 40 |
| | 5 | | | | | | | | | | 80 | 50 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 40300205 | 185167014 | Manager, automobile service station | ( 2)10035<br>( 2)20061612 | ( 4)111105<br>( 5)BLANK | 444<br>7 | 33333333343<br>VDPM | L45<br>B |
| 40300208 | 185167022 | Manager, food concession | ( 1)10049<br>( 1)20061400 | ( 2)090401<br>( 1)04070000 | 333<br>6 | 33344244455<br>DPM | L456<br>I |
| 40300211 | 185167038 | Manager, parts | ( 1)10047<br>( 1)20061614 | ( 4)111105<br>( 1)04030000 | 433<br>7 | 22343444454<br>DP | L56<br>I |
| 40300214 | 185167046 | Manager, retail store | ( 2)10035<br>( 2)20061612 | ( 4)111105<br>( 2)04080000 | 443<br>7 | 22343344455<br>DP | L45<br>I |
| 40300217 | 185167066 | Vending-stand supervisor | ( 2)79000<br>( 2)30001899 | ( 2)090401<br>( 5)BLANK | 544<br>7 | 22333344454<br>VDPJM | L56<br>I |
| 40300220 | 230137010 | Supervisor, advertising-material distributors | ( 1)61396<br>( 1)40061200 | ( 1)070702<br>( 1)04010000 | 424<br>6 | 33344344455<br>DPV | L5<br>B |
| 40300223 | 291157010 | Subscription crew leader | ( 2)79000<br>( 2)30001899 | ( 1)080208<br>( 5)BLANK | 323<br>5 | 33334344455<br>DJP | L5<br>I |
| 40300226 | 299137010 | Manager, department | ( 1)19000<br>( 1)20061699 | ( 4)111105<br>( 2)04080000 | 434<br>6 | 22343344454<br>DJPV | L5<br>I |
| 40300229 | 299137022 | Supervisor, ice storage, sale, and delivery | ( 2)55829<br>( 2)50040003 | ( 2)090402<br>( 5)BLANK | 433<br>6 | 33343344455<br>DP | L5<br>I2 |
| 40300232 | 299137026 | Supervisor, marina sales and service | ( 2)55829<br>( 2)50040003 | ( 2)090402<br>( 5)BLANK | 434<br>5 | 33333333344<br>DIJP | L45<br>B45 |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 4122 INSURANCE SALES OCCUPATIONS

People in these jos sell life, fire, accident, and other types of insurance. They sell policies that protect individuals and businesses against losses or damages. They may help plan financial protection for families. They may advise clients on ways to protect their cars, homes, businesses, or other property. Some help clients get settlements for insurance claims. These workers spend much of their time discussing insurance needs with clients. They prepare reports, keep records, and plan insurance programs for clients.

### CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 1 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 2 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 2 | 2 | 1 | | | 1 | |
| % | | | 50 | 100 | 100 | 50 | | | 50 | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| Unique Code | DOT Code | DOT Title |
|---|---|---|
| 41220205 | 239267010 | Placer |
| 41220208 | 250257010 | Sales agent, insurance |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | | | |
| % | | | | | 50 | 50 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 2 | 1 | | | 2 | | | | | |
| | 3 | 1 | | 1 | | | | 1 | 1 | | | |
| | 4 | | | | 2 | 2 | | 1 | 1 | 2 | | |
| | 5 | | | | | | | | | | 2 | 2 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 50 | 100 | 50 | | | 100 | | | | | |
| | 3 | 50 | | 50 | | | | 50 | 50 | | | |
| | 4 | | | | 100 | 100 | | 50 | 50 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperments | Phy. Dem over Env. Cond |
|---|---|---|---|---|
| ( 1)71005<br>( 1)30001004 | ( 2)080102<br>( 2)04130000 | 434<br>5 | 32344244455<br>MTJ | S5<br>I |
| ( 1)71012<br>( 1)30001005 | ( 2)080102<br>( 2)04130000 | 434<br>6 | 22244233455<br>IJMP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 4123 REAL ESTATE SALES OCCUPATIONS

**REAL ESTATE AGENTS** and **BROKERS** assist clients in the buying or selling of a home or property. **BROKERS** not only sell real estate, but also rent and manage properties, make appraisals, and develop new building projects. They often arrange for loans and title searches for buyers and set up meetings between buyers and sellers. **REAL ESTATE AGENTS** are independent sales workers who work for a broker. They help buyers find homes or property and provide many of the services offered by the brokerage firm.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 5 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 1 | 1 | 5 | 4 |
| % | 20 | 20 | 20 | 100 | 80 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 4 | 5 | | 5 | | | | 1 |
| % | 20 | | 80 | 100 | | 100 | | | | 20 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 3 | 2 | | | = 5 |
| % | | | | 60 | 40 | | | |
| M freq | | 1 | 2 | 2 | | | | = 5 |
| % | | 20 | 40 | 40 | | | | |
| L freq | | | | 4 | 1 | | | = 5 |
| % | | | | 80 | 20 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 3 | | 2 | | |
| % | | | | | 60 | | 40 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 2 | | | | | | |
| % | 60 | | 40 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 4 | 4 | 2 | 1 | 1 | 1 | | | | | |
| | 3 | 1 | 1 | 3 | 3 | 2 | 4 | | | | | |
| | 4 | | | | 1 | 2 | | 5 | 5 | 5 | | 1 |
| | 5 | | | | | | | | | | 5 | 4 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 80 | 80 | 40 | 20 | 20 | 20 | | | | | |
| | 3 | 20 | 20 | 60 | 60 | 40 | 80 | | | | | |
| | 4 | | | | 20 | 40 | | 100 | 100 | 100 | | 20 |
| | 5 | | | | | | | | | | 100 | 80 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 41230205 | 191267010 | Appraiser, real estate | ( 1)25527<br>( 1)10243816 | ( 1)110603<br>( 3)04170000 | 544<br>7 | 22234244455<br>VPJ | L2345<br>B |
| 41230208 | 250157010 | Superintendent, sales | ( 3)71008<br>( 3)30001403 | ( 4)080204<br>( 2)BLANK | 545<br>7 | 22222344454<br>DIJP | L56<br>B |
| 41230211 | 250357010 | Building consultant | ( 1)79000<br>( 1)30001899 | ( 4)080204<br>( 3)04170000 | 434<br>5 | 22333344455<br>IJP | L56<br>I |
| 41230214 | 250357014 | Leasing agent, residence | ( 3)71008<br>( 3)30001403 | ( 4)080204<br>( 2)BLANK | 424<br>5 | 33344344455<br>IJP | L56<br>I |
| 41230217 | 250357018 | Sales agent, real estate | ( 3)71008<br>( 3)30001403 | ( 4)080204<br>( 3)04170000 | 434<br>5 | 22333344455<br>IJP | L56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

## 4124 SECURITIES AND FINANCIAL SERVICE SALES OCCUPATIONS

These workers buy and sell securities (stocks and bonds) for customers. They give clients advice and information on the stock market and on businesses in which they might want to invest. Some provide loans, tax counseling, and accounting or auditing services to clients. Some sell travelers' checks, credit reports, or other services to businesses or banks. Some encourage people to open accounts with financial firm. Many of these workers attend sales and trade meetings and meet with community groups to find new clients and to stay informed of economic trends.

### CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 3 | | | |
| % | 50 | 50 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 3 | 6 | |
| % | | | 50 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 6 | 5 | 1 | 6 | | | | |
| % | 17 | | 100 | 83 | 17 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 5 | | | = 6 |
| % | | | | 17 | 83 | | | |
| M freq | | | 2 | 2 | 2 | | | = 6 |
| % | | | 33 | 33 | 33 | | | |
| L freq | | | | 3 | 3 | | | = 6 |
| % | | | | 50 | 50 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | 3 | 1 | |
| % | | | | | 17 | 17 | 50 | 17 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| free | 6 | | | | | | 1 | | |
| % | 100 | | | | | | 17 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | 1 | | | | | | | | | | |
| | 2 | 5 | 6 | 5 | | | 3 | | | | | |
| | 3 | | | 1 | 1 | 1 | 3 | | | | | |
| | 4 | | | | 5 | 5 | | 6 | 6 | 6 | | |
| | 5 | | | | | | | | | | 6 | 6 |
| | | | | | | percent | | | | | | |
| range | 1 | 17 | | | | | | | | | | |
| | 2 | 83 | 100 | 83 | | | 50 | | | | | |
| | 3 | | | 17 | 17 | 17 | 50 | | | | | |
| | 4 | | | | 83 | 83 | | 100 | 100 | 100 | | |
| | 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 41240205 | 162157014 | Broker's floor representative | ( 2)25529<br>( 2)10243819 | ( 2)110604<br>( 4)04040000 | 555<br>8 | 22244244455<br>PIJ | L5<br>I5 |
| 41240208 | 162157042 | Securities trader I | ( 2)25529<br>( 2)10243819 | ( 1)110603<br>( 2)BLANK | 554<br>7 | 12244244455<br>PIJ | S5<br>I |
| 41240211 | 251157010 | Sales agent, securities | ( 1)71009<br>( 1)30001605 | ( 2)110604<br>( 4)04040000 | 545<br>7 | 22243244455<br>DIJMP | S45<br>I |
| 41240214 | 251257010 | Sales agent, financial services | ( 1)71007<br>( 1)30001604 | ( 2)080102<br>( 4)04040000 | 545<br>6 | 22244344455<br>IJP | L45<br>I |
| 41240217 | 251257018 | Sales representative, travelers' checks | ( 2)79000<br>( 2)30001899 | ( 1)080101<br>( 2)BLANK | 534<br>7 | 22234344455<br>IJP | S45<br>I |
| 41240220 | 251357014 | Sales agent, financial-report service | ( 2)79000<br>( 2)30001899 | ( 2)080102<br>( 4)04040000 | 434<br>5 | 22344344455<br>PI | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

### 4152 BUSINESS SERVICE SALES OCCUPATIONS (EXCEPT ADVERTISING)

These people sell services such as building maintenance, pest control, travel aid, credit reporting, security, printing, and telephone answering. They sell services for a company by phoning or calling on people to inform them of services available. They may find new customers by studying directories or company records. They take orders for services, compute the cost, and schedule the services to be delivered. They also advise customers on ways to solve problems, handle customer complaints, and write reports.

### CODING TABLES

Total count = 16

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 15 | | | |
| % | 6 | 94 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 2 | 16 | 5 |
| % | | 6 | 13 | 100 | 31 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 16 | 10 | 5 | 16 | | | | 2 |
| % | 6 | | 100 | 63 | 31 | 100 | | | | 13 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 2 | 8 | 6 | | | = 16 |
| % | | | 13 | 50 | 38 | | | |
| M freq | | 1 | 13 | 2 | | | | = 16 |
| % | | 6 | 81 | 13 | | | | |
| L freq | | | 2 | 12 | 2 | | | = 16 |
| % | | | 13 | 75 | 13 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | 6 | 6 | 2 | | |
| % | | | 6 | 6 | 38 | 38 | 13 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 14 | | 2 | | | | | | |
| % | 88 | | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 10 | 9 | 3 | 2 | 1 | 3 | | | | | |
| | 3 | 6 | 7 | 12 | 8 | 11 | 12 | 1 | 1 | 1 | | |
| | 4 | | | 1 | 6 | 4 | 1 | 15 | 15 | 15 | | 7 |
| | 5 | | | | | | | | | | 16 | 9 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 63 | 56 | 19 | 13 | 6 | 19 | | | | | |
| | 3 | 38 | 44 | 75 | 50 | 69 | 75 | 6 | 6 | 6 | | |
| | 4 | | | 6 | 38 | 25 | 6 | 94 | 94 | 94 | | 44 |
| | 5 | | | | | | | | | | 100 | 56 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 41520205 | 236252010 | Representative, personal service | ( 14)79000<br>( 14)30001899 | ( 1)050206<br>( 6)BLANK | 535<br>6 | 22333333355<br>PI | L45<br>I |
| 41520208 | 250357022 | Sales representative | ( 14)79000<br>( 14)30001899 | ( 5)080206<br>( 1)04170000 | 333<br>5 | 22233344455<br>IMP | L5<br>I |
| 41520211 | 251257014 | Sales agent, psychological tests and industrial relations | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 3)04120000 | 545<br>7 | 22344244454<br>VPI | L5<br>I |
| 41520214 | 251357010 | Sales agent, business services | ( 14)79000<br>( 14)30001899 | ( 5)080206<br>( 1)04070000 | 434<br>5 | 33334344454<br>IJP | L56<br>B |
| 41520217 | 251357018 | Sales agent, pest control service | ( 14)79000<br>( 14)30001899 | ( 5)080206<br>( 2)04990000 | 434<br>6 | 33333344454<br>IJMP | L356<br>I |
| 41520220 | 251357026 | Sales representative, herbicide service | ( 14)79000<br>( 14)30001899 | ( 5)080206<br>( 6)BLANK | 434<br>5 | 33344344455<br>IJP | L5<br>I |
| 41520223 | 252257010 | Traffic agent | ( 1)71010<br>( 1)40066402 | ( 8)080102<br>( 2)04190000 | 534<br>7 | 22343244455<br>IJMP | L5<br>I |
| 41520226 | 252357010 | Crating-and-moving estimator | ( 1)71004<br>( 1)30001805 | ( 5)080206<br>( 2)04190000 | 434<br>5 | 23223344454<br>PIM | L56<br>I |
| 41520232 | 253157010 | Communications consultant | ( 14)79000<br>( 14)30001899 | ( 2)080101<br>( 6)BLANK | 534<br>6 | 22322344454<br>IJMP | L56<br>I |
| 41520235 | 253257010 | Sales representative, telephone services | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 6)BLANK | 534<br>6 | 22333344455<br>IJP | L5<br>I |
| 41520237 | 253357010 | Sales representative, public utilities | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 2)04990000 | 434<br>6 | 22333344455<br>IJP | L5<br>I |
| 41520238 | 254357018 | Sales representative, printing | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 3)04120000 | 434<br>5 | 33343344454<br>IJP | L5<br>I |

|  |  |  |  |  |  |  |  |
|---|---|---|---|---|---|---|---|
| 41520241 | 259157014 | Sales representative, hotel services | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 1)04110000 | 434<br>6 | 22333244454<br>DIJPV | S5<br>I |
| 41520244 | 259257018 | Service representative, elevators, escalators, and dumbwaiters | ( 14)79000<br>( 14)30001899 | ( 2)080101<br>( 6)BLANK | 544<br>5 | 22233344455<br>IJP | L56<br>I |
| 41520247 | 259357030 | Sales representative, weather-forecasting service | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 3)04120000 | 434<br>4 | 33343344455<br>PI | L45<br>I |
| 41520250 | 259357038 | Tobacco-warehouse agent | ( 14)79000<br>( 14)30001899 | ( 8)080102<br>( 6)BLANK | 323<br>3 | 33444444455<br>PI | L5<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 4153 ADVERTISING AND RELATED SALES OCCUPATIONS

People in these jobs call on businesses to sell advertising materials and services. For example, some sell art work for use in composing ads. Some sell advertising time on radio and TV programs. Some sell classified ad space in newspapers or magazines. Some arrange leases for outdoor advertising. Some promote the display of a company's products in local stores. These workers figure the costs of providing products and services, advise clients on advertising matters and draw up sales or service contracts.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 7 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 7 | 4 |
| % | | | 29 | 100 | 57 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 7 | 6 | 1 | 7 | | | | 1 |
| % | | 14 | 100 | 86 | 14 | 100 | | | | 14 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 5 | 1 | | | = 7 |
| % | | | 14 | 71 | 14 | | | |
| M freq | | 2 | 5 | | | | | = 7 |
| % | | 29 | 71 | | | | | |
| L freq | | | 2 | 5 | | | | = 7 |
| % | | | 29 | 71 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | | 4 | 1 | | |
| % | | | 14 | 14 | | 57 | 14 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | 1 | | | | | | |
| % | 86 | | 14 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 4 | 4 | | 3 | 1 | | | | | | 1 |
| | 3 | 3 | 3 | 6 | 2 | 5 | 6 | 2 | 2 | 1 | | 2 |
| | 4 | | | 1 | 2 | 1 | 1 | 5 | 5 | 6 | 1 | 2 |
| | 5 | | | | | | | | | | 6 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 57 | 57 | | 43 | 14 | | | | | | 14 |
| | 3 | 43 | 43 | 86 | 29 | 71 | 86 | 29 | 29 | 14 | | 29 |
| | 4 | | | 14 | 29 | 14 | 14 | 71 | 71 | 86 | 14 | 29 |
| | 5 | | | | | | | | | | 86 | 29 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 41530205 | 254251010 | Sales representative, graphic art | ( 7)79000<br>( 7)30001899 | ( 3)080101<br>( 6)04010000 | 534<br>7 | 22323333452<br>VPIF | L456<br>I |
| 41530208 | 254257010 | Sales representative, signs and displays | ( 7)79000<br>( 7)30001899 | ( 3)080101<br>( 6)04010000 | 434<br>6 | 22322344453<br>IJP | L56<br>I |
| 41530211 | 254357010 | Leasing agent, outdoor advertising | ( 7)79000<br>( 7)30001899 | ( 1)111202<br>( 6)04010000 | 323<br>4 | 33344344455<br>PIJ | L56<br>B |
| 41530214 | 254357014 | Sales representative, advertising | ( 7)79000<br>( 7)30001899 | ( 2)080102<br>( 6)04010000 | 434<br>6 | 22323444454<br>IJP | L5<br>I |
| 41530217 | 254357022 | Sales representative, signs | ( 7)79000<br>( 7)30001899 | ( 3)080101<br>( 6)04010000 | 434<br>6 | 33333344453<br>IJP | L56<br>I |
| 41530220 | 259357018 | Sales representative, radio and television time | ( 7)79000<br>( 7)30001899 | ( 2)080102<br>( 6)04010000 | 434<br>6 | 22333344455<br>PIJM | L5<br>I |
| 41530223 | 269357018 | Sales-promotion representative | ( 7)79000<br>( 7)30001899 | ( 1)080201<br>( 1)BLANK | 423<br>3 | 33443333344<br>IJP | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

### 421 SALES ENGINEERS

These workers are engineers who specialize in the sale of technical products and services. They may sell either mechanical, electrical, electronic, chemical, or related products. They call on engineers, architects, or other professionals to explain and describe products and services. They review blueprints, plans, and other customer documents and estimate the costs of providing products or services. They advise clients on the use, operation, and upkeep of equipment. They also draw up sales contracts and may provide technical training to clients.

CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 10 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 10 | 10 | 9 |
| % |  |  | 100 | 100 | 90 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 9 |  | 7 |  | 10 | 6 |  |  | 4 | 2 |
| % | 90 |  | 70 |  | 100 | 60 |  |  | 40 | 20 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  |  | 10 |  |  | = 10 |
| % |  |  |  |  | 100 |  |  |  |
| M freq |  |  |  |  | 10 |  |  | = 10 |
| % |  |  |  |  | 100 |  |  |  |
| L freq |  |  |  |  | 10 |  |  | = 10 |
| % |  |  |  |  | 100 |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  |  |  |  |  | 10 |  |
| % |  |  |  |  |  |  |  | 100 |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 |  | 7 |  |  |  | 1 |  |  |
| % | 30 |  | 70 |  |  |  | 10 |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 10 | 10 | 9 | 6 | 2 | 1 |  |  |  |  |  |
|  | 3 |  |  | 1 | 3 | 8 | 9 | 6 | 6 | 5 |  | 2 |
|  | 4 |  |  |  | 1 |  |  | 4 | 4 | 5 | 9 | 7 |
|  | 5 |  |  |  |  |  |  |  |  |  | 1 | 1 |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 100 | 100 | 90 | 60 | 20 | 10 |  |  |  |  |  |
|  | 3 |  |  | 10 | 30 | 80 | 90 | 60 | 60 | 50 |  | 20 |
|  | 4 |  |  |  | 10 |  |  | 40 | 40 | 50 | 90 | 70 |
|  | 5 |  |  |  |  |  |  |  |  |  | 10 | 10 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42100205 | 2151010 | Sales engineer, aeronautical products | ( 1)21001<br>( 1)10020200 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22333233444<br>DIPM | L456<br>B5 |
| 42100208 | 3151010 | Sales-engineer, electrical products | ( 2)21005<br>( 2)10020800 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22233344444<br>DIMT | L456<br>B |
| 42100211 | 3151014 | Sales-engineer, electronics products and systems | ( 2)21005<br>( 2)10020800 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22233344443<br>DIMT | L456<br>B |
| 42100214 | 6151010 | Sales engineer, ceramic products | ( 1)21014<br>( 2)10020400 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22222333343<br>DMT | L456<br>I |
| 42100217 | 7151010 | Sales engineer, mechanical equipment | ( 1)21008<br>( 2)10021200 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22222333355<br>VDPIM | L456<br>B |
| 42100220 | 8151010 | Chemical-equipment sales engineer | ( 1)21003<br>( 2)10020400 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22223344444<br>DIMT | L456<br>B |
| 42100223 | 10151010 | Sales engineer, mining-and-oil-well equipment and services | ( 1)21010<br>( 1)10021600 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22243344444<br>VPIM | L45<br>B |
| 42100226 | 13151010 | Sales engineer, agricultural equipment | ( 1)21002<br>( 1)10022099 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22223333344<br>DIMP | L456<br>B |
| 42100229 | 14151010 | Sales engineer, marine equipment | ( 1)21007<br>( 2)10021200 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |
| 42100232 | 15151010 | Sales engineer, nuclear equipment | ( 1)21017<br>( 1)10022004 | ( 10)050105<br>( 10)BLANK | 555<br>8 | 22223333344<br>DMP | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 4232 TECHNICAL SALES WORKERS, AIRCRAFT

People in these jobs sell aircraft, aircraft equipment, and parts to private customers and to business and industrial firms. Some travel to call on customers in an assigned area. Others talk with customers on a sales floor or by phone. They help customers choose aircraft equipment. They quote prices and credit terms, and prepare sales contracts for orders obtained. They also keep business and expense records. Some may take customers on flights to point out safety and other features of aircraft.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | 1 |
| % | | | 50 | 100 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 2 | 2 | 1 | 2 | | | | |
| % | | | 100 | 100 | 50 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 1 | | | = 2 |
| % | | | | 50 | 50 | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 2 | | | |
| % | | | | | | 100 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 1 | | | | | 1 | |
| % | 50 | | 50 | | | | | 50 | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 2 | 2 | | 1 | | | | | | | |
| 3 | | | 2 | 1 | 2 | 2 | 1 | | 1 | 1 | |
| 4 | | | | | | | 1 | 2 | 1 | | 1 |
| 5 | | | | | | | | | | 1 | 1 |
| | | | | | percent | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 100 | 100 | | 50 | | | | | | | |
| 3 | | | 100 | 50 | 100 | 100 | 50 | | 50 | 50 | |
| 4 | | | | | | | 50 | 100 | 50 | | 50 |
| 5 | | | | | | | | | | 50 | 50 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42320205 | 273253010 | Sales representative, aircraft | ( 2)79000<br>( 2)30001899 | ( 2)080101<br>( 2)04190000 | 534<br>6 | 22323334334<br>PIJM | L456<br>B6 |
| 42320208 | 273357010 | Sales representative, aircraft equipment and parts | ( 2)79000<br>( 2)30001899 | ( 2)080101<br>( 2)04190000 | 434<br>6 | 22333344455<br>IJP | L5<br>I |

5 Associated DOT Titles

## 4233 TECHNICAL SALES WORKERS, AGRICULTURAL EQUIPMENT AND SUPPLIES

These workers sell farm equipment, and supplies such as tractors, combines, milking machines, tools, and fertilizer. They also advise farmers on crop raising, animal care, disease prevention, and similar problems. They call on farmers and store owners to show them samples and catalogs, explain new products, and take orders. They quote prices and credit terms and fill out sales contracts. They may install and service equipment, show customers how to use equipment and give advice on the proper use and care for materials and equipment. They prepare sales reports and keep daily expense records.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 3 | 2 | | |
| % | | 60 | 40 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 5 | |
| % | | | 20 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 5 | 5 | 1 | 5 | | | | |
| % | | | 100 | 100 | 20 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |
| M freq | | | 5 | | | | | = 5 |
| % | | | 100 | | | | | |
| L freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 4 | | | |
| % | | | | | 20 | 80 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | 2 | | | | | | |
| % | 60 | | 40 | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 3 | 1 | | 1 | | | | | | | |
| 3 | 2 | 4 | 5 | 2 | 2 | 5 | 1 | 1 | 1 | | |
| 4 | | | | 2 | 3 | | 4 | 4 | 4 | 1 | 2 |
| 5 | | | | | | | | | | 4 | 3 |
| percent | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 60 | 20 | | 20 | | | | | | | |
| 3 | 40 | 80 | 100 | 40 | 40 | 100 | 20 | 20 | 20 | | |
| 4 | | | | 40 | 60 | | 80 | 80 | 80 | 20 | 40 |
| 5 | | | | | | | | | | 80 | 60 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42330205 | 272357010 | Sales representative, animal-feed products | ( 5)79000<br>( 5)30001899 | ( 3)080201<br>( 4)04090000 | 434<br>6 | 33344344455<br>IJP | L5<br>I |
| 42330208 | 272357014 | Sales representative, farm and garden equipment and supplies | ( 5)79000<br>( 5)30001899 | ( 3)080201<br>( 4)04090000 | 434<br>5 | 33334344455<br>IJP | L5<br>I |
| 42330211 | 272357018 | Sales representative, poultry equipment and supplies | ( 5)79000<br>( 5)30001899 | ( 1)080203<br>( 4)04090000 | 434<br>6 | 22344344454<br>IJP | M5<br>B |
| 42330214 | 274357030 | Sales representative, dairy supplies | ( 5)79000<br>( 5)30001899 | ( 3)080201<br>( 4)04090000 | 434<br>6 | 23333344454<br>IJP | L5<br>I |
| 42330217 | 299251010 | Sales-service representative, milking machines | ( 5)79000<br>( 5)30001899 | ( 1)080202<br>( 1)01030100 | 434<br>6 | 23323333345<br>IJMP | M45<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 4234 TECHNICAL SALES WORKERS, ELECTRONIC EQUIPMENT

These workers sell electronic equipment. Some call on businesses to sell products such as communications, navigation, and production control devices. Others sell stereos, radios, and similar products to customers in a store or show room. They show products, give technical information, quote prices and credit terms, and prepare sales slips or contracts. They also may take payments, arrange for deliveries, write sales reports, and keep expense records.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | 1 | | |
| % | | 67 | 33 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 3 | 1 |
| % | | | 33 | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 3 | 3 | | 3 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

| | | | attributes | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |
| M freq | | | 2 | 1 | | | | = 3 |
| % | | | 67 | 33 | | | | |
| L freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 1 | 1 | | | |
| % | | | | 33 | 33 | 33 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | 1 | | |
| % | 100 | | | | | | 33 | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 2 | 1 | 1 | | | | | | | |
| | 3 | 1 | 1 | 2 | 1 | 3 | 3 | 1 | 2 | 2 | | |
| | 4 | | | | 1 | | | 2 | 1 | 1 | | 2 |
| | 5 | | | | | | | | | | 3 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 67 | 67 | 33 | 33 | | | | | | | |
| | 3 | 33 | 33 | 67 | 33 | 100 | 100 | 33 | 67 | 67 | | |
| | 4 | | | | 33 | | | 67 | 33 | 33 | | 67 |
| | 5 | | | | | | | | | | 100 | 33 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42340205 | 270357038 | Salesperson, stereo equipment | ( 3)79000<br>( 3)30001899 | ( 1)080202<br>( 1)04100000 | 434<br>4 | 33343333354<br>IJP | M456<br>I |
| 42340208 | 271257010 | Sales representative, communication equipment | ( 3)79000<br>( 3)30001899 | ( 2)080101<br>( 2)04120000 | 444<br>6 | 22223344454<br>IJP | L5<br>I |
| 42340211 | 271352014 | Sales representative, ultrasonic equipment | ( 3)79000<br>( 3)30001899 | ( 2)080101<br>( 2)04120000 | 434<br>5 | 22333343355<br>IJP | L5<br>I5 |

## CLASSIFICATION AND CODING DISTRIBUTIONS

13 Associated DOT Titles

### 4235 TECHNICAL SALES WORKERS: INDUSTRIAL MACHINERY, EQUIPMENT, AND SUPPLIES

These workers sell industrial machinery, equipment, and supplies to industrial and commercial firms. Their jobs require technical knowledge of the products and services sold. They travel throughout an assigned territory, sell products and services, advise customers in the selection, installation, and maintenance of products. They quote prices and credit terms and fill out sales contracts. They may read blueprints and other documents to get information needed to prepare bids for contract work. They also prepare sales reports and keep daily expense records.

CODING TABLES

Total count = 13

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 13 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 13 | 1 |
| % | | | | 100 | 8 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 13 | 13 | 2 | 13 | | | | |
| % | | | 100 | 100 | 15 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 12 | 1 | | | = 13 |
| % | | | | 92 | 8 | | | |
| M freq | | | 12 | 1 | | | | = 13 |
| % | | | 92 | 8 | | | | |
| L freq | | | | 13 | | | | = 13 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 3 | 9 | 1 | | |
| % | | | | | 23 | 69 | 8 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 11 | | 2 | | | | | | |
| % | 85 | | 15 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 7 | 4 | 1 | 1 | | | | | | |
| | 3 | 8 | 6 | 9 | 12 | 10 | 13 | | 2 | 3 | | |
| | 4 | | | | | 2 | | 13 | 11 | 10 | | 4 |
| | 5 | | | | | | | | | | 13 | 9 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 38 | 54 | 31 | 8 | 8 | | | | | | |
| | 3 | 62 | 46 | 69 | 92 | 77 | 100 | | 15 | 23 | | |
| | 4 | | | | | 15 | | 100 | 85 | 77 | | 31 |
| | 5 | | | | | | | | | | 100 | 69 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42350205 | 271352010 | Sales representative, radiographic-inspection equipment & service | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 8)04120000 | 434<br>6 | 22332343354<br>IJP | L56<br>I |
| 42350208 | 273357026 | Sales representative, railroad equipment and supplies | ( 13)79000<br>( 13)30001899 | ( 5)080201<br>( 2)04190000 | 434<br>6 | 22334344455<br>IJP | L5<br>I |
| 42350211 | 274257010 | Sales representative, foundry and machine shop products | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 8)04120000 | 544<br>7 | 33233344455<br>IJMP | L5<br>I |
| 42350214 | 274357010 | Sales representative, abrasives | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 8)04120000 | 434<br>6 | 33333344454<br>IJP | L5<br>I |
| 42350217 | 274357018 | Sales representative, building equipment and supplies | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 2)04090000 | 434<br>6 | 33223344454<br>IJP | L5<br>I |
| 42350220 | 274357022 | Sales representative, construction machinery | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 2)04090000 | 434<br>6 | 22333344455<br>IJP | L5<br>B |
| 42350223 | 274357038 | Sales representative, industrial machinery | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 8)04120000 | 434<br>5 | 33233344455<br>PIJM | L5<br>I |
| 42350226 | 274357046 | Sales representative, lubricating equipment | ( 13)79000<br>( 13)30001899 | ( 5)080201<br>( 8)04120000 | 434<br>5 | 32333343355<br>IJP | L5<br>I |
| 42350229 | 274357050 | Sales representative, material-handling equipment | ( 13)79000<br>( 13)30001899 | ( 5)080201<br>( 2)04190000 | 434<br>5 | 32333344455<br>IJP | L5<br>I |
| 42350235 | 274357058 | Sales representative, oilfield supplies and equipment | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 1)04160000 | 434<br>6 | 22233344455<br>IJP | L5<br>B |
| 42350238 | 274357070 | Sales representative, textile machinery | ( 13)79000<br>( 13)30001899 | ( 5)080201<br>( 8)04120000 | 434<br>6 | 22333344455<br>IJP | L5<br>I |
| 42350241 | 274357074 | Sales representative, welding equipment | ( 13)79000<br>( 13)30001899 | ( 8)080101<br>( 8)04120000 | 434<br>6 | 33333344354<br>PIJ | L5<br>I |

```
42350244 274357078  Sales representative, wire            ( 13)79000     (  5)080201   434  33334344455  L5
                    rope                                  ( 13)30001899  (  8)04120000 6    IJP          I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

### 4236 TECHNICAL SALES WORKERS: MEDICAL AND DENTAL EQUIPMENT AND SUPPLIES

These workers sell medical equipment and supplies to doctors, dentists, veterinarians, and representatives of hospitals and other medical centers. They travel an assigned area to call on customers and advise them of new medical products. They describe or show products to customers and write orders for products requested. They also advise customers on equipment purchases and discuss the dosage, use, and effects of new drugs and medicines. They keep expense and sales records and write sales reports.

CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 1 | 4 | |
| % | | 25 | 25 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 4 | 4 | 1 | 4 | | | 1 | |
| % | | | 100 | 100 | 25 | 100 | | | 25 | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 2 | 2 | | | = 4 |
| % | | | | 50 | 50 | | | |
| M freq | | | 4 | | | | | = 4 |
| % | | | 100 | | | | | |
| L freq | | | | 3 | 1 | | | = 4 |
| % | | | | 75 | 25 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 3 | 1 | | |
| % | | | | | | 75 | 25 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 3 | 4 | | 1 | | | | | | | |
| | 3 | 1 | | 4 | 3 | 4 | 4 | | | | | |
| | 4 | | | | | | | 4 | 4 | 4 | | 4 |
| | 5 | | | | | | | | | | 4 | |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 75 | 100 | | 25 | | | | | | | |
| | 3 | 25 | | 100 | 75 | 100 | 100 | | | | | |
| | 4 | | | | | | | 100 | 100 | 100 | | 100 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42360205 | 262157010 | Pharmaceutical detailer | ( 4)79000<br>( 4)30001899 | ( 2)080101<br>( 1)BLANK | 535<br>7 | 22333344454<br>IJP | L5<br>I |
| 42360208 | 276257010 | Sales representative, dental and medical equipment and supplies | ( 4)79000<br>( 4)30001899 | ( 2)080101<br>( 3)04120000 | 434<br>6 | 22333344454<br>IJP | L5<br>I |
| 42360211 | 276257022 | Salesperson, surgical appliances | ( 4)79000<br>( 4)30001899 | ( 1)080202<br>( 3)04120000 | 534<br>6 | 22323344454<br>IJMPT | L345<br>I |
| 42360214 | 276357018 | Sales representative, veterinarian supplies | ( 4)79000<br>( 4)30001899 | ( 1)080201<br>( 3)04120000 | 434<br>6 | 32333344454<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 4237 TECHNICAL SALES WORKERS, CHEMICALS & CHEMICAL PRODUCTS

People in these jobs sell chemicals and chemical products such as explosives, acids, medicines, drugs, and compounds used in industry and farming. Some sell these products by calling on business or industrial customers in an assigned territory. Others deal directly with customers at a sales office or store. They show customers samples or descriptions of products and take orders for products. They quote prices and credit terms and prepare sales contracts. They also prepare business and expense reports.

CODING TABLES                                   Total count =   1

```
PHY     S   L   M   H   V
freq        1
%         100

PHY     2   3   4   5   6
freq                1
%                 100
---------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
freq            1   1       1
%             100 100     100
---------------------------------------------
                   attributes
   GED    1   2   3   4   5   6   7   freq
 R freq                   1            = 1
   %                    100
 M freq               1                = 1
   %                100
 L freq                   1            = 1
   %                    100
---------------------------------------------

 Unique  DOT                DOT
 Code    Code               Title

42370205 262357010 Sales representative, chemicals
                   and drugs
```

```
SVP     1   2   3   4   5   6   7   8   9
freq                    1
%                     100
---------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
freq    1
%     100
---------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                       frequency
range 1
      2
      3  1   1   1           1
      4              1   1       1   1   1
      5                                      1   1
                        percent
range 1
      2
      3 100 100 100         100
      4             100 100     100 100 100
      5                                     100 100
---------------------------------------------
DES Survey    DOE          GED Aptitudes     Phy. Dem
over          over         over over         over
DES Matrix    USOE         SVP Temperaments  Env. Cond

(  1)79000    (  1)080101  434 33344344455   L5
(  1)30001899 (  1)04120000 5  IJP           I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

## 4239 TECHNICAL SALES WORKERS, N.E.C.

3 Associated DOT Titles

These workers specialize in promoting the use of products or services, such as power, heating, and lighting and electroplating services. Their jobs require technical knowledge of the products and services offered. They travel throughout an assigned territory to call on customers. For example, some call on homeowners and businesses to promote the increased or economical use of a public utility. Others call on industrial firms to advise on and promote the use of a particular industrial process or product. These workers give technical advice to customers, quote rates, installation charges, and operating costs, and fill out sales contracts or service orders. They may inspect a customer's equipment or operations and advise on the use of products or services. They also may prepare business reports and keep daily expense records.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 3 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 3 | 1 |
| % | | | 33 | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 3 | 3 | 1 | 3 | | | | |
| % | | | 100 | 100 | 33 | 100 | | | | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | 1 | 1 | 1 | | | = 3 |
| % | | | 33 | 33 | 33 | | | |
| M freq | | | 2 | 1 | | | | = 3 |
| % | | | 67 | 33 | | | | |
| L freq | | | 1 | 2 | | | | = 3 |
| % | | | 33 | 67 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | 1 | | |
| % | | | | | 33 | 33 | 33 | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 2 | | | | | | | | | |
| | 3 | 1 | 1 | 3 | 3 | 2 | 2 | | | | | 1 |
| | 4 | | | | | 1 | 1 | 3 | 3 | 3 | 1 | 1 |
| | 5 | | | | | | | | | | 2 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 67 | 67 | | | | | | | | | |
| | 3 | 33 | 33 | 100 | 100 | 67 | 67 | | | | | 33 |
| | 4 | | | | | 33 | 33 | 100 | 100 | 100 | 33 | 33 |
| | 5 | | | | | | | | | | 67 | 33 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42390208 | 259257014 | Sales representative, electroplating | ( 2)79000<br>( 2)30001899 | ( 2)080101<br>( 2)BLANK | 544<br>7 | 22333444453<br>IJPM | L56<br>I |
| 42390208 | 274357054 | Sales representative, metals | ( 2)79000<br>( 2)30001899 | ( 2)080101<br>( 1)04120000 | 434<br>6 | 22333344454<br>PIJ | L5<br>I |
| 42390229 | 252357014 | Sales representative, shipping services | ( 1)71010<br>( 1)40066402 | ( 1)080102<br>( 2)BLANK | 333<br>5 | 33334344445<br>PIJ | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

21 Associated DOT Titles

### 4242 SALES REPRESENTATIVES, COMMERCIAL AND INDUSTRIAL EQUIPMENT AND SUPPLIES

These people specialize in the sale of small machines, tools, precision instruments, parts, furniture, and other equipment and supplies. They sell these products to businesses and industrial plants as sales agents for a manufacturer or distributor. They travel throughout an assigned territory to call on regular and potential customers. They carry sample products and catalogs to show customers. They also describe products to customers and advise them in selecting products which will best serve their needs. They quote prices and credit terms and fill out sales contracts for orders obtained. They also may take orders by phone. They prepare sales reports and keep daily records of their business expenses.

```
                                CODING TABLES                          Total count =  21
------------------------------------------------    -------------------------------------------------
PHY     S  L  M  H  V                                SVP     1   2   3   4   5   6   7   8   9
freq    1 19  1                                      freq                3  10   8
%       5 90  5                                      %                  14  48  38
                                                     -------------------------------------------------
                                                     ENV     I   O   B   2   3   4   5   6   7
PHY     2  3  4   5   6                              freq   21
freq          2  21   4                              %     100
%            10 100  19                              -------------------------------------------------
------------------------------------------------     APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP    D  F   I   J   M   P   R   S   T   V                               frequency
freq          21  19   4  21                        range 1
%            100  90  19 100                              2   4  14   2   1
------------------------------------------------          3  17   7  19  13  16  18   3   6   4       2
                 attributes                               4                   7   5   3  18  15  17       9
   GED     1  2  3  4  5  6  7   freq                     5                                           21  10
 R freq              18  3       = 21                                           percent
   %                 86 14                          range 1
 M freq          18   3          = 21                     2  19  67  10   5
   %             86  14                                   3  81  33  90  62  76  86  14  29  19      10
 L freq              20  1       = 21                     4                  33  24  14  86  71  81      43
   %                 95  5                                5                                          100  48
------------------------------------------------    -------------------------------------------------
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42420205 | 261357026 | Sales representative, safety apparel and equipment | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>4 | 33344344455<br>IJP | L5<br>I |
| 42420208 | 271354010 | Salesperson, electric motors | ( 21)79000<br>( 21)30001899 | ( 3)080203<br>( 5)BLANK | 434<br>6 | 33333343354<br>IJMP | L456<br>I |
| 42420211 | 274157010 | Sales representative, elevators, escalators, and dumbwaiters | ( 21)79000<br>( 21)30001899 | ( 4)080101<br>( 5)BLANK | 544<br>5 | 22223443454<br>IJP | L56<br>I |
| 42420214 | 274357026 | Sales representative, containers | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>5 | 32333344455<br>IJP | L5<br>I |
| 42420215 | 274357042 | Sales representative, industrial rubber goods | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>6 | 32333344455<br>IJP | L5<br>I |
| 42420217 | 274357062 | Sales representative, printing supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>5 | 32333344454<br>IJP | L5<br>I |
| 42420220 | 274357066 | Sales representative, textile designs | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 2)04020000 | 434<br>5 | 32343344453<br>IJP | L56<br>I |
| 42420223 | 275257010 | Sales representative, computers and edp systems | ( 21)79000<br>( 21)30001899 | ( 4)080101<br>( 5)BLANK | 544<br>6 | 22334344455<br>IJP | L5<br>I |
| 42420226 | 275357014 | Sales representative, church furniture and religious supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>5 | 33334333354<br>IJMP | L5<br>I |
| 42420229 | 275357018 | Sales representative, commercial equipment and supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>4 | 32344444455<br>IJP | L5<br>I |
| 42420232 | 275357022 | Sales representative, cordage | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>5 | 33343344454<br>IJP | L5<br>I |
| 42420235 | 275357026 | Sales representative, hotel and restaurant equipment and supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 1)04070000 | 434<br>6 | 32334344454<br>IJP | L5<br>I |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 42420236 | 275357030 | Sales representative, mortician supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 5)BLANK | 434<br>6 | 32343344455<br>IJP | L5<br>I |
| 42420238 | 275357034 | Sales representative, office machines | ( 21)79000<br>( 21)30001899 | ( 3)080203<br>( 11)04120000 | 434<br>5 | 32333333355<br>IJP | M5<br>I |
| 42420241 | 275357042 | Sales representative, school equipment and supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>5 | 32333344454<br>IJP | L5<br>I |
| 42420242 | 275357046 | Sales representative, shoe leather and findings | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 2)04020000 | 434<br>5 | 33343344454<br>IJP | L5<br>I |
| 42420244 | 275357054 | Salesperson, florist supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 1)04050000 | 434<br>4 | 33343344454<br>IJP | L5<br>I |
| 42420247 | 276257014 | Sales representative, weighing and force-measurement instruments | ( 21)79000<br>( 21)30001899 | ( 4)080101<br>( 5)BLANK | 545<br>6 | 22233344455<br>IMP | S5<br>I |
| 42420250 | 276357010 | Sales representative, architectural and engineering supplies | ( 21)79000<br>( 21)30001899 | ( 14)080201<br>( 11)04120000 | 434<br>6 | 32333333455<br>IJP | L45<br>I |
| 42420253 | 276357014 | Sales representative, precision instruments | ( 21)79000<br>( 21)30001899 | ( 4)080101<br>( 11)04120000 | 434<br>6 | 22333344455<br>IJP | L5<br>I |
| 42420256 | 279357034 | Sales representative, water-softening equipment | ( 21)79000<br>( 21)30001899 | ( 3)080203<br>( 1)04990000 | 434<br>5 | 33333443353<br>IMP | L56<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 4243 SALES REPRESENTATIVES, GARMENTS AND RELATED TEXTILE PRODUCTS

These workers sell garments, textiles, or trimmings for apparel to stores and manufacturers. They may suggest items of clothing, fabric, or trim to be sold by stores or used in making garments. Representatives contact customers at their place of business or meet them in showrooms or sales offices. They demonstrate products, quote prices and credit terms, and arrange delivery of items. They prepare business reports and keep expense records.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 5 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 5 | 1 |
| % | | | | 100 | 20 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 5 | 5 | | 5 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| | | | attributes | | | | | |
| R freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |
| M freq | | | 5 | | | | | = 5 |
| % | | | 100 | | | | | |
| L freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 2 | 3 | | | |
| % | | | | | 40 | 60 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 1 | | | | | | | | | |
| | 3 | 4 | 4 | 5 | 2 | 5 | 5 | | | | | 1 |
| | 4 | | | | 3 | | | 5 | 5 | 5 | | 4 |
| | 5 | | | | | | | | | | 5 | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 20 | 20 | | | | | | | | | |
| | 3 | 80 | 80 | 100 | 40 | 100 | 100 | | | | | 20 |
| | 4 | | | | 60 | | | 100 | 100 | 100 | | 80 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42430205 | 261357010 | Sales representative, apparel trimmings | ( 5)79000<br>( 5)30001899 | ( 4)080201<br>( 1)04310000 | 434<br>5 | 33333344454<br>IJP | L5<br>I |
| 42430208 | 261357022 | Sales representative, men's and boys' apparel | ( 5)79000<br>( 5)30001899 | ( 4)080201<br>( 3)04020000 | 434<br>6 | 33333344454<br>IJP | L5<br>I |
| 42430211 | 261357030 | Sales representative, textiles | ( 5)79000<br>( 5)30001899 | ( 4)080201<br>( 1)01040200 | 434<br>6 | 22343344453<br>IJP | L56<br>I |
| 42430214 | 261357034 | Sales representative, uniforms | ( 5)79000<br>( 5)30001899 | ( 1)080203<br>( 3)04020000 | 434<br>6 | 33343344454<br>IJP | L5<br>I |
| 42430217 | 261357038 | Sales representative, women's and girls' apparel | ( 5)79000<br>( 5)30001899 | ( 4)080201<br>( 3)04020000 | 434<br>5 | 33343344454<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 4244 SALES REPRESENTATIVES, MOTOR VEHICLES AND SUPPLIES

These workers sell motor vehicles, parts, and accessories to dealers, garages, and other sales outlets. They also advise dealers on ways to promote sales. They travel throughout an assigned territory to call on accounts and take orders for vehicles and parts. They show samples and catalogs to dealers and point out the features of various products. They quote prices and credit terms, prepare sale contracts. They also prepare sales reports and keep expense accounts.

### CODING TABLES

Total count = 1

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 1 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 1 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | | 1 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |
| M freq | | | 1 | | | | | = 1 |
| % | | | 100 | | | | | |
| L freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | | | | |
| % | | | | | 100 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 1 | 1 | | | | | | | | | |
| 3 | | | 1 | 1 | 1 | 1 | | | | | |
| 4 | | | | | | | 1 | 1 | 1 | | |
| 5 | | | | | | | | | | 1 | 1 |
| percent | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 100 | 100 | | | | | | | | | |
| 3 | | | 100 | 100 | 100 | 100 | | | | | |
| 4 | | | | | | | 100 | 100 | 100 | | |
| 5 | | | | | | | | | | 100 | 100 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42440205 | 273357022 | Sales representative, motor vehicles and supplies | ( 1)79000<br>( 1)30001899 | ( 1)080201<br>( 1)04030000 | 434<br>5 | 22333344455<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 4245 SALES REPRESENTATIVES; PULP, PAPER, AND PAPER PRODUCTS

People in these jobs sell paper and paper products to business and industrial accounts as sales agents for a manufacturer or distributor. The products they sell include newsprint, wrapping paper, stationery, wallpaper, and paperboard containers. They may sell products at a sales office, by phone, or at customers places of business. They look for new business by compiling lists of potential customers from newspapers and directories. They show samples or catalogs to customers, point out features of products, quote prices and credit terms. They also prepare sales reports and expense accounts.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 2 | |
| % | | | | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 2 | 2 | | 2 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 1 | | | | |
| % | | | | 50 | 50 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | 2 | 2 | 2 | 1 | 1 | 2 | | | | | |
| 4 | | | | 1 | 1 | | 2 | 1 | 2 | | 1 |
| 5 | | | | | | | | 1 | | 2 | 1 |
| | | | | | percent | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | 100 | 100 | 100 | 50 | 50 | 100 | | | | | |
| 4 | | | | 50 | 50 | | 100 | 50 | 100 | | 50 |
| 5 | | | | | | | | 50 | | 100 | 50 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42450205 | 275357038 | Sales representative, pressure-sensitive tape | ( 2)79000<br>( 2)30001899 | ( 2)080201<br>( 2)04120000 | 434<br>4 | 33344344455<br>IJP | L5<br>I |
| 42450208 | 279357026 | Sales representative, paper and paper products | ( 2)79000<br>( 2)30001899 | ( 2)080201<br>( 2)04120000 | 434<br>5 | 33333345454<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 4246 SALES REPRESENTATIVES: FARM PRODUCTS AND LIVESTOCK

These workers sell farm produce, livestock, and other farm products. They call on wholesale, retail, industrial, and other customers to take orders. They show and describe products to buyers, quote prices and credit terms, and arrange for products to be delivered. They may take bids for farm products and then sell the products to the highest bidder. Many work on a commission basis. They must know market conditions and be able to judge the value of farm products.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 2 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 3 | 1 |
| % | | | | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 3 | 3 | 2 | 3 | | | | |
| % | | | 100 | 100 | 67 | 100 | | | | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |
| M freq | | | 3 | | | | | = 3 |
| % | | | 100 | | | | | |
| L freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 2 | | | |
| % | | | | | 33 | 67 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 3 | 3 | 1 | | | | | | | | |
| | 3 | | | 2 | | | 2 | | | | | |
| | 4 | | | | 3 | 3 | 1 | 3 | 3 | 3 | | 1 |
| | 5 | | | | | | | | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 100 | 100 | 33 | | | | | | | | |
| | 3 | | | 67 | | | 67 | | | | | |
| | 4 | | | | 100 | 100 | 33 | 100 | 100 | 100 | | 33 |
| | 5 | | | | | | | | | | 100 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42460205 | 162157026 | Commission agent, livestock | ( 3)79000<br>( 3)30001899 | ( 3)080103<br>( 3)04060000 | 434<br>6 | 22344444454<br>PIJM | L56<br>I |
| 42460208 | 260257010 | Sales representative, livestock | ( 3)79000<br>( 3)30001899 | ( 3)080103<br>( 3)04060000 | 434<br>5 | 22344344455<br>PIJ | L5<br>I |
| 42460211 | 260357010 | Commission agent, agricultural produce | ( 3)79000<br>( 3)30001899 | ( 3)080103<br>( 3)04060000 | 434<br>6 | 22244344455<br>PIJM | S5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

19 Associated DOT Titles

### 4249 SALES REPRESENTATIVES, N.E.C.

These people sell one or more lines of goods to business and industrial concerns as a sales agent for a manufacturer or distributor. The items they may sell range from franchise businesses to magazines to manufactured products. They may sell products at a sales office, call on companies to sell products and/or take orders for products by phone. They look for new business by compiling lists of possible customers for newspapers and directories. They show samples or catalogs to customers, point out features of articles, quote prices and credit terms, and prepare sales contracts. They prepare sales reports and expense accounts, and may arrange for products to be delivered.

### CODING TABLES

Total count = 19

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 18 | | | |
| % | 5 | 95 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 19 | |
| % | | | 5 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | 19 | 16 | | 19 | | | | |
| % | 5 | | 100 | 84 | | 100 | | | | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 19 | | | | = 19 |
| % | | | | 100 | | | | |
| M freq | | 1 | 18 | | | | | = 19 |
| % | | 5 | 95 | | | | | |
| L freq | | | 2 | 17 | | | | = 19 |
| % | | | 11 | 89 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 4 | 10 | 4 | | | |
| % | | | 5 | 21 | 53 | 21 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 18 | | 1 | | | | | | |
| % | 95 | | 5 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 3 | | | | | | | | | |
| | 3 | 18 | 16 | 18 | 4 | 7 | 17 | 1 | 2 | 1 | | |
| | 4 | | | 1 | 15 | 12 | 2 | 18 | 17 | 18 | | 8 |
| | 5 | | | | | | | | | | 19 | 11 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 5 | 16 | | | | | | | | | |
| | 3 | 95 | 84 | 95 | 21 | 37 | 89 | 5 | 11 | 5 | | |
| | 4 | | | 5 | 79 | 63 | 11 | 95 | 89 | 95 | | 42 |
| | 5 | | | | | | | | | | 100 | 58 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 42490205 | 165157010 | Song plugger | ( 19)79000<br>( 19)30001899 | ( 1)080208<br>( 7)BLANK | 424<br>5 | 32344444455<br>PI | S5<br>I |
| 42490208 | 251357022 | Sales representative, franchise | ( 19)79000<br>( 19)30001899 | ( 1)080206<br>( 7)BLANK | 434<br>5 | 33344344455<br>IJP | L5<br>I |
| 42490211 | 260357014 | Sales representative, food products | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 1)04060000 | 434<br>5 | 33344344455<br>PI | L5<br>I |
| 42490214 | 260357018 | Sales representative, malt liquors | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 7)BLANK | 433<br>4 | 33344344454<br>IJP | L5<br>I |
| 42490217 | 2603[illegible]7022 | Sales representative, tobacco products and smoking supplies | ( 19)79000<br>( 19)30001899 | ( 3)080203<br>( 7)BLANK | 433<br>5 | 33343344454<br>PI | L5<br>I |
| 42490220 | 261357014 | Sales representative, canvas products | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 5)04120000 | 434<br>6 | 33333344454<br>IJP | L5<br>B |
| 42490223 | 269357010 | Sales representative, fuels | ( 19)79000<br>( 19)30001899 | ( 3)080203<br>( 1)04310000 | 434<br>4 | 33344344455<br>IJP | L5<br>I |
| 42490226 | 269357014 | Sales representative, petroleum products | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 7)BLANK | 434<br>6 | 33344344455<br>IJP | L5<br>I |
| 42490229 | 274357014 | Sales representative, bottles and bottling equipment | ( 19)79000<br>( 19)30001899 | ( 13)0[illegible]201<br>( 5)0[illegible]0000 | 434<br>5 | 32333344455<br>IJP | L5<br>I |
| 42490241 | 275357050 | Sales representative, vending and coin machines | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 1)04070000 | 434<br>5 | 33344344455<br>IJP | L5<br>I |
| 42490244 | 277357010 | Sales representative, hobbies and crafts | ( 19)79000<br>( 19)30001899 | ( 3)080203<br>( 3)04180000 | 434<br>5 | 33333333354<br>IJP | L5<br>I |
| 42490247 | 277357018 | Sales representative, novelties | ( 19)79000<br>( 19)30001899 | ( 13)080201<br>( 3)04180000 | 434<br>4 | 33344344455<br>IJP | L5<br>I |

```
42490250 277357022  Sales representative, publications      ( 19)79000      ( 13)080201    434  33344344455  L5
                                                            ( 19)30001899   (  3)04180000 5    IJP          I

42490253 277357030  Sales representative, writing           ( 19)79000      ( 13)080201    434  33344344454  L5
                    and marking pens                        ( 19)30001899   (  7)BLANK    3    IJP          I

42490256 279157010  Manufacturers' representative           ( 19)79000      ( 13)080201    434  22343344454  L45
                                                            ( 19)30001899   (  5)04120000 6    IJP          I

42490259 279357014  Sales representative, general           ( 19)79000      ( 13)080201    434  33344344454  L5
                    merchandise                             ( 19)30001899   (  5)04120000 5    IJP          I

42490262 279357022  Sales representative, leather           ( 19)79000      ( 13)080201    434  33343344454  L5
                    goods                                   ( 19)30001899   (  1)04020000 5    IJP          I

42490265 279357030  Sales representative, plastic           ( 19)79000      ( 13)080201    434  33333343455  L5
                    products                                ( 19)30001899   (  5)04120000 4    IJP          I

42490268 299167010  Circulation-sales representative        ( 19)79000      (  1)110901    434  33444444455  L5
                                                            ( 19)30001899   (  7)BLANK    6    BIJP         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 4342 SALESPERSONS: MOTOR VEHICLES, MOBILE HOMES, AND SUPPLIES

These people sell new or used vehicles, such as cars, trucks, or motorcycles. They also sell related accessories and equipment. They sell these items to customers in a store or showroom. They greet customers and ask them the make, type and price range of the vehicle they wish to see. They show vehicles or accessories to customers. They point out the features and prices of the items shown, and may take customers on rides to show them how vehicles handle. They also prepare sales slips or contracts, take payments and may arrange credit purchases.

#### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 3 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 1 | 3 |  |
| % |  |  | 33 | 100 |  |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 3 | 2 |  | 3 |  |  |  |  |
| % |  |  | 100 | 67 |  | 100 |  |  |  |  |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 3 |  |  |  | = 3 |
| % |  |  |  | 100 |  |  |  |  |
| M freq |  |  | 3 |  |  |  |  | = 3 |
| % |  |  | 100 |  |  |  |  |  |
| L freq |  |  |  | 3 |  |  |  | = 3 |
| % |  |  |  | 100 |  |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  |  | 1 | 2 |  |  |  |  |
| % |  |  |  | 33 | 67 |  |  |  |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 |  | 2 |  |  |  |  |  |  |
| % | 33 |  | 67 |  |  |  |  |  |  |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |
| range 1 |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 3 | 3 | 3 | 1 | 1 | 3 | 1 |  | 1 | 1 |  |
| 4 |  |  |  | 2 | 2 |  | 2 | 3 | 2 |  | 1 |
| 5 |  |  |  |  |  |  |  |  |  | 2 | 2 |
| percent |  |  |  |  |  |  |  |  |  |  |  |
| range 1 |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 100 | 100 | 100 | 33 | 33 | 100 | 33 |  | 33 | 33 |  |
| 4 |  |  |  | 67 | 67 |  | 67 | 100 | 67 |  | 33 |
| 5 |  |  |  |  |  |  |  |  |  | 67 | 67 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43420205 | 273353010 | Salesperson, automobiles | ( 3)79000<br>( 3)30001899 | ( 2)080202<br>( 3)04030000 | 434<br>5 | 33333334434<br>PI | L45<br>B |
| 43420208 | 273357030 | Salesperson, automobile accessories | ( 3)79000<br>( 3)30001899 | ( 1)080203<br>( 3)04030000 | 434<br>4 | 33344344355<br>IJP | L5<br>I |
| 43420211 | 273357034 | Salesperson, trailers and motor homes | ( 3)79000<br>( 3)30001899 | ( 2)080202<br>( 3)04030000 | 434<br>5 | 33344344455<br>IJP | L5<br>B |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

## 4343 SALESPERSONS: MUSICAL INSTRUMENTS AND SUPPLIES

These workers sell musical instruments and supplies, such as pianos, organs, guitars, drums, horns, music books, and records. Some sell these products to customers in a store. Others sell musical products for a manufacturer or distributor by calling on retail stores to take orders. They show customers how instruments are played and explain the functions, and care of the instruments. They may help customers select sheet music or recordings. They prepare sales slips or contracts, and may take payments and arrange deliveries. They also may wrap purchases, take inventory of stock, and order replacement products.

### CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 5 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 5 | 5 | |
| % | | | 100 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 5 | 4 | 1 | 5 | | | | |
| % | | | 100 | 80 | 20 | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 4 | | | | = 5 |
| % | | | 20 | 80 | | | | |
| M freq | | | 5 | | | | | = 5 |
| % | | | 100 | | | | | |
| L freq | | | 1 | 4 | | | | = 5 |
| % | | | 20 | 80 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | | 1 | 3 | | | |
| % | | | 20 | | 20 | 60 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 4 | 1 | | | | | | | | | |
| 3 | 1 | 4 | 5 | 1 | 3 | 5 | 2 | 2 | 2 | | |
| 4 | | | | 4 | 2 | | 3 | 3 | 3 | | 2 |
| 5 | | | | | | | | | | 5 | 3 |
| percent | | | | | | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | 80 | 20 | | | | | | | | | |
| 3 | 20 | 80 | 100 | 20 | 60 | 100 | 40 | 40 | 40 | | |
| 4 | | | | 80 | 40 | | 60 | 60 | 60 | | 40 |
| 5 | | | | | | | | | | 100 | 60 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43430205 | 277354010 | Salesperson, pianos and organs | ( 4)79000<br>( 4)30001899 | ( 4)080202<br>( 3)04180000 | 434<br>6 | 23343333354<br>IJP | L45<br>I |
| 43430208 | 277357014 | Sales representative, musical instruments and accessories | ( 4)79000<br>( 4)30001899 | ( 1)080201<br>( 3)04180000 | 434<br>6 | 22344344455<br>IJP | L45<br>I |
| 43430211 | 277357038 | Salesperson, musical instruments and accessories | ( 4)79000<br>( 4)30001899 | ( 4)080202<br>( 2)BLANK | 434<br>6 | 23333333354<br>IJP | L45<br>I |
| 43430214 | 277357046 | Salesperson, phonograph records and tape recordings | ( 1)72002<br>( 1)30001802 | ( 4)080202<br>( 2)BLANK | 333<br>3 | 33344344455<br>IMP | L45<br>I |
| 43430217 | 277357054 | Salesperson, sheet music | ( 4)79000<br>( 4)30001899 | ( 4)080202<br>( 3)04180000 | 434<br>5 | 23343344455<br>IJP | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

## 4344 SALESPERSONS; BOATS AND MARINE EQUIPMENT AND SUPPLIES

These people sell boats and boating equipment and supplies for a manufacturer or distributor. Some travel an assigned area to call on retail store buyers. Others sell products to customers at a sales office, showroom, or store. They help customers decide what types of boats or equipment to buy. They may show pictures of boats to customers or even take them on boat rides. They also fill out order forms or sales slips, quote prices and credit terms, keep sales records, and arrange for deliveries.

### CODING TABLES

Total count = 1

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 1 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 1 | 1 |
| % | | | 100 | 100 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | | 1 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |
| M freq | | | 1 | | | | | = 1 |
| % | | | 100 | | | | | |
| L freq | | | | 1 | | | | = 1 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | | | | |
| % | | | | | 100 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | |
| | 4 | | | | | | | 1 | 1 | | | 1 |
| | 5 | | | | | | | | | | 1 | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 100 | 100 | 100 | 100 | 100 | | | 100 | | |
| | 4 | | | | | | | 100 | 100 | | | 100 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43440205 | 273357018 | Sales representative, boats and marine supplies | ( 1)79000<br>( 1)30001899 | ( 1)080203<br>( 1)04190000 | 434<br>5 | 33333344354<br>IJP | L456<br>I |

250

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 4345 SALESPERSONS, SPORTING GOODS

These people sell sporting goods used for athletic activities. Some call on stores and other establishments in an assigned area to sell athletic, playground or other such equipment. Others sell sporting goods and athletic equipment to customers in a store or showroom. These workers help customers choose the products they need and then fill out sales contracts or sales slips. They also may take payments, wrap goods, keep sales records, check inventories and perform other related tasks.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | |
| % | | | 50 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 2 | 2 | | 2 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 2 | | | | |
| % | | | | | 100 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | 1 | 1 | | |
| | 4 | | | | 1 | | | 1 | 1 | 1 | | 2 |
| | 5 | | | | | | | | | | 2 | |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 100 | 100 | 50 | 100 | 100 | 50 | 50 | 50 | | |
| | 4 | | | | 50 | | | 50 | 50 | 50 | | 100 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43450205 | 277357026 | Sales representative, recreation and sporting goods | ( 2)79000<br>( 2)30001899 | ( 1)080201<br>( 2)04180000 | 434<br>5 | 33333344454<br>IJP | L5<br>I |
| 43450208 | 277357058 | Salesperson, sporting goods | ( 2)79000<br>( 2)30001899 | ( 1)080202<br>( 2)04180000 | 434<br>5 | 33343333354<br>IJP | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

7 Associated DOT Titles

## 4346 SALESPERSONS; GARMENTS AND TEXTILE PRODUCTS

These workers sell clothing and accessories to customers in a store or showroom. They greet customers and help them select and try on garments. They may measure customers, advise them on styles, and answer their questions about the care and cost of garments. They may suggest gift items or sizes. They prepare sales slips and take payments or credit cards for purchases. They also may wrap purchases, take inventories of stock, and place new items on display.

### CODING TABLES

Total count = 7

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 7 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  |  | 7 | 7 | 5 |
| % |  |  | 100 | 100 | 71 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 7 | 6 | 1 | 7 |  |  |  | 1 |
| % |  |  | 100 | 86 | 14 | 100 |  |  |  | 14 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 7 |  |  |  | = 7 |
| % |  |  |  | 100 |  |  |  |  |
| M freq |  |  | 7 |  |  |  |  | = 7 |
| % |  |  | 100 |  |  |  |  |  |
| L freq |  |  |  | 7 |  |  |  | = 7 |
| % |  |  |  | 100 |  |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 3 | 1 | 3 |  |  |  |  |
| % |  |  | 43 | 14 | 43 |  |  |  |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 |  |  |  |  |  |  |  |  |
| % | 100 |  |  |  |  |  |  |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | 3 | 7 | 7 | 6 | 5 | 7 |  | 6 | 6 | 7 |  | 5 |
|  | 4 |  |  | 1 | 2 |  | 7 | 1 | 1 |  |  | 2 |
|  | 5 |  |  |  |  |  |  |  |  |  | 7 |  |
| percent |  |  |  |  |  |  |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |  |  |  |  |
|  | 3 | 100 | 100 | 86 | 71 | 100 |  | 86 | 86 | 100 |  | 71 |
|  | 4 |  |  | 14 | 29 |  | 100 | 14 | 14 |  |  | 29 |
|  | 5 |  |  |  |  |  |  |  |  |  | 100 |  |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43460205 | 261354010 | Salesperson, corsets | ( 4)72002<br>( 4)30001802 | ( 7)080202<br>( 7)04020000 | 434<br>5 | 33333433354<br>VPIM | L45<br>I |
| 43460208 | 261357042 | Salesperson, furs | ( 3)77000<br>( 3)30001899 | ( 7)080202<br>( 7)04020000 | 434<br>5 | 33333444353<br>IJP | L456<br>I |
| 43460211 | 261357046 | Salesperson, infants' and children's wear | ( 4)72002<br>( 4)30001802 | ( 7)080202<br>( 7)04020000 | 434<br>3 | 33343433354<br>IJP | L45<br>I |
| 43460214 | 261357050 | Salesperson, men's and boys' clothing | ( 3)79000<br>( 3)30001899 | ( 7)080202<br>( 7)04020000 | 434<br>5 | 33333433353<br>IJP | L456<br>I |
| 43460217 | 261357054 | Salesperson, men's furnishings | ( 3)79000<br>( 3)30001899 | ( 7)080202<br>( 7)04020000 | 434<br>4 | 33343433353<br>IJP | L456<br>I |
| 43460220 | 261357058 | Salesperson, millinery | ( 4)72002<br>( 4)30001802 | ( 7)080202<br>( 7)04020000 | 434<br>3 | 33433433353<br>IJP | L456<br>I |
| 43460223 | 261357066 | Salesperson, women's apparel and accessories | ( 4)72002<br>( 4)30001802 | ( 7)080202<br>( 7)04020000 | 434<br>3 | 33333433353<br>IJP | L456<br>I |

CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

## 4347 SALESPERSONS: BOOKS, STAMPS, COINS, AND STATIONERY

These workers sell books, magazines, stamps, coins, stationery, greeting cards, and related products in a store. They show items to customers and suggest selections that might meet their needs. They may discuss the value of items with customers or help them choose gift items. They prepare sales slips and take payments for purchases. They may wrap purchases, arrange product displays, and take inventory of stock. Some appraise (assign a value to) coins and stamps and buy them from collectors for resale.

```
                                          CODING TABLES                     Total count =   2
-----------------------------------------------------     -----------------------------------------------------
PHY     S   L   M   H   V                                  SVP     1   2   3   4   5   6   7   8   9
free        2                                              free                1   1
%         100                                              %                  50  50
                                                           -----------------------------------------------------
                                                           ENV     I   O   B   2   3   4   5   6   7
PHY     2   3   4   5   6                                  free    2
free            2   2   1                                  %     100
%             100 100  50                                  -----------------------------------------------------
-----------------------------------------------------      APT     G   V   N   S   P   Q   K   F   M   E   C
TEMP    D   F   I   J   M   P   R   S   T   V                                  frequency
free            2   2   1   2                              range 1
%             100 100  50 100                                    2     1       1
-----------------------------------------------------            3 2   1   2       2   1   2           1
              attributes                                         4             2   1       1       2
   GED    1   2   3   4   5   6   7   free                       5                                 2   1
 R free               2                 = 2                                     percent
   %                100                                    range 1
 M free           2                     = 2                      2    50          50
   %            100                                              3 100 50 100         100 50 100          50
 L free               2                 = 2                      4             100 50      50    100
   %                100                                          5                                100  50
-----------------------------------------------------     -----------------------------------------------------
                                                           OES Survey    GOE            GED  Aptitudes    Phy. Dem
 Unique   DOT                    DOT                       over          over           over over         over
 Code     Code                   Title                     OES Matrix    USOE           SVP  Temperments  Env. Cond

 43470205 277357034  Salesperson, books                    (  2)79000    (  1)080202    434  32344333455  L45
                                                           (  2)30001899 (  2)04180000  4    IJP          I

 43470208 277357062  Salesperson, stamps or coins          (  2)79000    (  1)080203    434  33342343453  L456
                                                           (  2)30001899 (  2)04180000  5    IJMP         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

6 Associated DOT Titles

### 4348 SALESPERSONS: FURNITURE AND HOME FURNISHINGS

People in these jobs sell goods used in the home such as furniture, floor coverings, drapes, glass and chinaware, metalware, and related products. Some sell products by traveling to call on businesses and industries. Others sell goods to customers in a store or showroom.

CODING TABLES Total count = 6

```
PHY      S  L  M  H  V
freq        6
%         100

PHY      2  3  4   5   6
freq        1  4   6   4
%          17 67 100  67
-----------------------------------------------
TEMP     D  F  I   J   M   P   R  S  T  V
freq           6   6   3   6
%            100 100  50 100
-----------------------------------------------
              attributes
  GED    1  2  3   4  5  6  7  freq
 R freq                6            = 6
   %                 100
 M freq             6               = 6
   %              100
 L freq             1  5            = 6
   %               17 83
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                 4   2
%                   67  33
-----------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     6
%      100
-----------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2
      3  6   6   6   4   5   6   3   2   1       4
      4              2   1       3   4   5       2
      5                                      6
                       percent
range 1
      2
      3 100 100 100 67  83 100  50  33  17      67
      4             33  17      50  67  83      33
      5                                    100
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43480205 | 259357026 | Sales representative, upholstery and furniture repair | ( 6)79000<br>( 6)30001899 | ( 1)080206<br>( 5)04100000 | 433<br>5 | 33333344453<br>IJMP | L56<br>I |
| 43480208 | 270357010 | Sales representative, home furnishings | ( 6)79000<br>( 6)30001899 | ( 1)080201<br>( 5)04100000 | 434<br>5 | 33333344454<br>IJP | L5<br>I |
| 43480211 | 270357018 | Salesperson, china and silverware | ( 6)79000<br>( 6)30001899 | ( 2)080203<br>( 1)04080000 | 434<br>4 | 33343333354<br>IJP | L45<br>I |
| 43480214 | 270357022 | Salesperson, curtains and draperies | ( 6)79000<br>( 6)30001899 | ( 2)080202<br>( 5)04100000 | 434<br>4 | 33333344453<br>IJMP | L456<br>I |
| 43480217 | 270357026 | Salesperson, floor coverings | ( 6)79000<br>( 6)30001899 | ( 2)080203<br>( 5)04100000 | 434<br>4 | 33344334453<br>IJMP | L3456<br>I |
| 43480220 | 270357030 | Salesperson, furniture | ( 6)79000<br>( 6)30001899 | ( 2)080202<br>( 5)04100000 | 434<br>4 | 33333333453<br>IJP | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 4351 SALESPERSONS, SHOES

These people fit and sell shoes, boots, and other footwear to customers in a store. They measure customers' feet, select the desired style, color, and size shoes from stock on hand, and help customers try on shoes. They also set up shoe displays, advise on styles, prepare sales slips, take payments, and package or wrap shoes. Some also take inventory of shoes on hand and order new shoes from the stockroom. A few sell shoes to customers in their homes.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq |  | 3 |  |  |  |
| % |  | 100 |  |  |  |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq |  | 2 | 2 | 3 | 1 |
| % |  | 67 | 67 | 100 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 3 | 3 | 1 | 3 |  |  | 1 |  |
| % |  |  | 100 | 100 | 33 | 100 |  |  | 33 |  |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq |  |  |  | 3 |  |  |  | = 3 |
| % |  |  |  | 100 |  |  |  |  |
| M freq |  |  | 3 |  |  |  |  | = 3 |
| % |  |  | 100 |  |  |  |  |  |
| L freq |  |  |  | 3 |  |  |  | = 3 |
| % |  |  |  | 100 |  |  |  |  |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq |  |  | 1 |  |  | 2 |  |  |  |
| % |  |  | 33 |  |  | 67 |  |  |  |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 |  |  |  |  |  |  |  |  |
| % | 100 |  |  |  |  |  |  |  |  |

| APT |  | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  | frequency |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 1 |  |  | 1 |  |  |  |  |  |  |  |
|  | 3 | 2 | 3 | 3 |  | 3 | 2 | 2 | 2 | 2 |  | 1 |
|  | 4 |  |  |  | 2 |  | 1 | 1 | 1 | 1 |  | 2 |
|  | 5 |  |  |  |  |  |  |  |  |  | 3 |  |
|  |  |  |  |  |  | percent |  |  |  |  |  |  |
| range | 1 |  |  |  |  |  |  |  |  |  |  |  |
|  | 2 | 33 |  |  | 33 |  |  |  |  |  |  |  |
|  | 3 | 67 | 100 | 100 |  | 100 | 67 | 67 | 67 | 67 |  | 33 |
|  | 4 |  |  |  | 67 |  | 33 | 33 | 33 | 33 |  | 67 |
|  | 5 |  |  |  |  |  |  |  |  |  | 100 |  |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43510205 | 261357018 | Sales representative, footwear | ( 2)79000<br>( 2)30001899 | ( 1)080201<br>( 3)04020000 | 434<br>6 | 33343344454<br>IJP | L5<br>I |
| 43510208 | 261357062 | Salesperson, shoes | ( 1)72002<br>( 1)30001802 | ( 2)080202<br>( 3)04020000 | 434<br>3 | 33343433353<br>IJP | L3456<br>I |
| 43510211 | 276257018 | Salesperson, orthopedic shoes | ( 2)79000<br>( 2)30001899 | ( 2)080202<br>( 3)04020000 | 434<br>6 | 23323333354<br>IJMPT | L345<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

5 Associated DOT Titles

### 4352 SALESPERSONS: RADIO, TELEVISION, HIGH FIDELITY AND HOUSEHOLD APPLIANCES

People who work in these jobs sell items such as radios, TV's, stereo equipment, stoves, washers, dryers, vacuum cleaners, and sewing machines. Some travel to sell products to businesses or industries in an assigned area. Others sell products to customers in a store or showroom. They also fill out sales slips, arrange credit terms, display new products, and advise customers on the use and care of products.

CODING TABLES

Total count = 5

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | 1 | | |
| % | | 80 | 20 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 5 | 1 |
| % | | | 40 | 100 | 20 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 5 | 5 | | 5 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |
| M freq | | | 5 | | | | | = 5 |
| % | | | 100 | | | | | |
| L freq | | | | 5 | | | | = 5 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 1 | 1 | 1 | 2 | | | |
| % | | | 20 | 20 | 20 | 40 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 5 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 1 | | | | | | | | | |
| | 3 | 4 | 4 | 5 | 1 | 2 | 5 | 1 | 2 | 2 | | |
| | 4 | | | | 4 | 3 | | 4 | 3 | 3 | 1 | 2 |
| | 5 | | | | | | | | | | 4 | 3 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 20 | 20 | | | | | | | | | |
| | 3 | 80 | 80 | 100 | 20 | 40 | 100 | 20 | 40 | 40 | | |
| | 4 | | | | 80 | 60 | | 80 | 60 | 60 | 20 | 40 |
| | 5 | | | | | | | | | | 80 | 60 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43520205 | 270352010 | Salesperson, sewing machines | ( 5)79000<br>( 5)30001899 | ( 2)080202<br>( 4)04100000 | 434<br>6 | 33343333344<br>IJP | M45<br>I |
| 43520208 | 270357014 | Sales representative, household appliances | ( 5)79000<br>( 5)30001899 | ( 2)080201<br>( 4)04100000 | 434<br>5 | 33344344455<br>IJP | L5<br>I |
| 43520211 | 270357034 | Salesperson, household appliances | ( 5)79000<br>( 5)30001899 | ( 2)080202<br>( 4)04100000 | 434<br>4 | 33344343354<br>IJP | L456<br>I |
| 43520214 | 271357010 | Sales representative, electronics parts | ( 5)79000<br>( 5)30001899 | ( 1)080101<br>( 4)04100000 | 434<br>6 | 22333344455<br>IJP | L5<br>I |
| 43520217 | 271357014 | Sales representative, videotape | ( 5)79000<br>( 5)30001899 | ( 2)080201<br>( 1)BLANK | 434<br>3 | 33344344455<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

### 4353 SALESPERSONS, HARDWARE

These workers sell hardware and related items, such as power tools, handtools, paints, garden supplies, and electrical and plumbing supplies. They may sell products to customers in a store, or to businesses that use or resell such items. They show products to customers, advise them in making selections and on the uses of tools and materials. Those who call on businesses quote prices and credit terms and prepare sales contracts and expense accounts. Those in stores prepare sales slips and take payments. They also may wrap purchases, arrange product displays, and take inventory of stock.

CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 3 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 3 | |
| % | | | 67 | 100 | |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 3 | 3 | | 3 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |
| M freq | | | 3 | | | | | = 3 |
| % | | | 100 | | | | | |
| L freq | | | | 3 | | | | = 3 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 2 | 1 | | | | |
| % | | | | 67 | 33 | | | | |

| ENV | I | D | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | frequency | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | 3 | 3 | 3 | | 2 | 2 | 2 | 2 | 2 | | |
| 4 | | | | 3 | 1 | 1 | 1 | 1 | 1 | | 3 |
| 5 | | | | | | | | | | 3 | |
| | | | | | percent | | | | | | |
| range 1 | | | | | | | | | | | |
| 2 | | | | | | | | | | | |
| 3 | 100 | 100 | 100 | | 67 | 67 | 67 | 67 | 67 | | |
| 4 | | | | 100 | 33 | 33 | 33 | 33 | 33 | | 100 |
| 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43530205 | 272357022 | Salesperson, horticultural and nursery products | ( 3)79000<br>( 3)30001899 | ( 2)080203<br>( 3)04090000 | 434<br>4 | 33344433354<br>IJP | L45<br>I |
| 43530208 | 274357034 | Sales representative, hardware supplies | ( 3)79000<br>( 3)30001899 | ( 1)080201<br>( 3)04090000 | 434<br>5 | 33343344454<br>IJP | L5<br>I |
| 43530211 | 279357050 | Salesperson, general hardware | ( 3)79000<br>( 3)30001899 | ( 2)080203<br>( 3)04090000 | 434<br>4 | 33343333354<br>IJP | L45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

4 Associated DOT Titles

### 4354 SALESPERSONS; COSMETICS, TOILETRIES, AND ALLIED PRODUCTS

These workers sell items such as makeup, perfumes, soaps, face creams, and wigs. They may sell these items to customers in a store or to stores or businesses that use or resell such products. They show products or samples to customers, point out features of articles, and advise on selections. They quote prices and credit terms, prepare sales contracts or slips, and may take payments. Those who travel to call on accounts keep business and expense records. Those who work in stores may arrange product displays, wrap purchases, and take inventory of stock.

CODING TABLES

Total count = 4

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 2 | 4 | 2 |
| % | | | 50 | 100 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 4 | 4 | | 4 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 2 | 2 | | | | = 4 |
| % | | | 50 | 50 | | | | |
| M freq | | | 4 | | | | | = 4 |
| % | | | 100 | | | | | |
| L freq | | | 2 | 2 | | | | = 4 |
| % | | | 50 | 50 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 2 | 2 | | | | |
| % | | | | 50 | 50 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 4 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | 1 | | | | | | | 1 |
| | 3 | 4 | 4 | 3 | 1 | 4 | 3 | 2 | 2 | 2 | | 1 |
| | 4 | | | 1 | 2 | | 1 | 2 | 2 | 2 | | 2 |
| | 5 | | | | | | | | | | 4 | |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | 25 | | | | | | | 25 |
| | 3 | 100 | 100 | 75 | 25 | 100 | 75 | 50 | 50 | 50 | | 25 |
| | 4 | | | 25 | 50 | | 25 | 50 | 50 | 50 | | 50 |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43540205 | 261351010 | Salesperson, wigs | ( 4)79000<br>( 4)30001899 | ( 2)080202<br>( 3)BLANK | 333<br>4 | 33423433352<br>IJP | L456<br>I |
| 43540208 | 262357014 | Sales representative, toilet preparations | ( 4)79000<br>( 4)30001899 | ( 2)080201<br>( 3)BLANK | 434<br>5 | 33343344454<br>IJP | L5<br>I |
| 43540211 | 262357018 | Salesperson, cosmetics and toiletries | ( 4)79000<br>( 4)30001899 | ( 2)080202<br>( 1)04000000 | 333<br>4 | 33343333353<br>IJP | L456<br>I |
| 43540214 | 275357010 | Sales representative, barber and beauty equipment and supplies | ( 4)79000<br>( 4)30001899 | ( 2)080201<br>( 3)BLANK | 434<br>5 | 33333344454<br>IJP | L5<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

2 Associated DOT Titles

### 4356 SALESPERSONS, JEWELRY AND RELATED PRODUCTS

These people sell jewelry, gems, watches, and other similar items. Some travel over an assigned area to sell products to business and industrial firms. Others sell products to customers in a store or showroom. They point out the different features of jewelry to customers, quote prices and credit terms, and prepare sales contracts or slips. Those who travel often carry catalogs or sample cases so that they can show products. In stores they may take payments or get credit approved for purchases.

CODING TABLES

Total count = 2

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 2 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 2 | 1 |
| % | | | 50 | 100 | 50 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | 2 | 2 | | 2 | | | | |
| % | | | 100 | 100 | | 100 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |
| M freq | | | 2 | | | | | = 2 |
| % | | | 100 | | | | | |
| L freq | | | | 2 | | | | = 2 |
| % | | | | 100 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 1 | | | |
| % | | | | | 50 | 50 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 2 | 2 | 2 | | 2 | 1 | 2 | 1 | | | 2 |
| | 4 | | | | 2 | | 1 | | 1 | 2 | | |
| | 5 | | | | | | | | | | 2 | |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 100 | 100 | | 100 | 50 | 100 | 50 | | | 100 |
| | 4 | | | | 100 | | 50 | | 50 | 100 | | |
| | 5 | | | | | | | | | | 100 | |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43560205 | 279357018 | Sales representative, jewelry | ( 2)79000<br>( 2)30001899 | ( 1)080201<br>( 2)04020000 | 434<br>6 | 33343434453<br>IJP | L5<br>I |
| 43560208 | 279357058 | Salesperson, jewelry | ( 2)79000<br>( 2)30001899 | ( 1)080202<br>( 2)04020000 | 434<br>5 | 33343333453<br>IJP | L456<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

10 Associated DOT Titles

### 4359 SALESPERSONS; N.E.C.

People in these jobs sell products in specialty shops, department stores, or wholesale outlets. They greet customers and find out the type and amounts of goods they desire. They suggest selections, and point out selling points of articles. They also may explain how to use or care for products. They prepare sales slips and take payments or process credit cards for items purchased. They also may put products on display, wrap purchases, and take inventory of stock.

CODING TABLES

Total count = 10

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 9 | | 1 | |
| % | | 90 | | 10 | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 10 | 9 | 3 |
| % | | 10 | 100 | 90 | 30 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 9 | 9 | 1 | 10 | 1 | | | |
| % | | 10 | 90 | 90 | 10 | 100 | 10 | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 2 | 8 | | | | = 10 |
| % | | | 20 | 80 | | | | |
| M freq | | 2 | 8 | | | | | = 10 |
| % | | 20 | 80 | | | | | |
| L freq | | 1 | 2 | 7 | | | | = 10 |
| % | | 10 | 20 | 70 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 3 | 4 | 2 | 1 | | | |
| % | | | 30 | 40 | 20 | 10 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | | 1 | 1 | | 2 | | | 1 |
| % | 90 | | 10 | 10 | | 20 | | | 10 |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 10 | 9 | 10 | 4 | 5 | 8 | 8 | 8 | 8 | | 2 |
| | 4 | | 1 | | 6 | 5 | 2 | 2 | 2 | 2 | | 6 |
| | 5 | | | | | | | | | | 10 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 90 | 100 | 40 | 50 | 80 | 80 | 80 | 80 | | 20 |
| | 4 | | 10 | | 60 | 50 | 20 | 20 | 20 | 20 | | 60 |
| | 5 | | | | | | | | | | 100 | 20 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43590205 | 260357026 | Salesperson, flowers | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 1)04050000 | 433<br>4 | 33333333353<br>IJPF | L456<br>I4 |
| 43590208 | 261357070 | Salesperson, yard goods | ( 3)72002<br>( 3)30001802 | ( 7)080202<br>( 2)04080000 | 434<br>3 | 33333433353<br>IJP | L456<br>I7 |
| 43590211 | 276354010 | Salesperson, hearing aids | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 4)BLANK | 434<br>5 | 33333333355<br>IJMP | L456<br>I |
| 43590214 | 277357042 | Salesperson, pets and pet supplies | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 2)04180000 | 434<br>4 | 33344333354<br>IJP | L45<br>I |
| 43590217 | 277357050 | Salesperson, photographic supplies and equipment | ( 7)79000<br>( 7)30001899 | ( 2)080203<br>( 2)04180000 | 434<br>5 | 33333333354<br>IJP | L45<br>I |
| 43590220 | 277357066 | Salesperson, toy trains and accessories | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 4)BLANK | 434<br>3 | 33344343454<br>IJP | L45<br>I |
| 43590223 | 277457010 | Salesperson, art objects | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 4)BLANK | 323<br>4 | 33344344454<br>IJP | L45<br>I |
| 43590226 | 279357046 | Salesperson, flying squad | ( 7)79000<br>( 7)30001899 | ( 7)080202<br>( 2)04080000 | 434<br>6 | 33344333354<br>IJP | L45<br>I |
| 43590229 | 279357054 | Salesperson, general merchandise | ( 3)72002<br>( 3)30001802 | ( 2)080203<br>( 1)14040500 | 434<br>4 | 33344333354<br>IJP | L45<br>I |
| 43590232 | 299377010 | Platform attendant | ( 3)72002<br>( 3)30001802 | ( 1)090402<br>( 4)BLANK | 322<br>3 | 34343434355<br>PR | H34<br>B24 |

6 Associated DOT Titles

## 4362 SALES CLERKS

**SALES CLERKS** sell a variety of products to customers in such places as department stores, drugstores, hardware stores, and grocery stores. They show items to customers and help them decide what to buy. They also do such things as stock shelves with goods, wrap and package customers' purchases, take payments for goods, make change, and keep records of sales.

### CODING TABLES

Total count = 6

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 4 | 2 | | |
| % | | 67 | 33 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 2 | 6 | 5 | 2 |
| % | | 33 | 100 | 83 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 1 | 5 | 1 | | 1 | 1 |
| % | | | | | 17 | 83 | 17 | | 17 | 17 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 6 | | | | | = 6 |
| % | | | 100 | | | | | |
| M freq | 1 | 2 | 3 | | | | | = 6 |
| % | 17 | 33 | 50 | | | | | |
| L freq | | 5 | 1 | | | | | = 6 |
| % | | 83 | 17 | | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 2 | 3 | 1 | | | | | |
| % | | 33 | 50 | 17 | | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 6 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 6 | 3 | 4 | 1 | 1 | 4 | 4 | 1 | 3 | | 1 |
| | 4 | | 3 | 2 | 5 | 5 | 2 | 2 | 5 | 3 | 1 | 2 |
| | 5 | | | | | | | | | | 5 | 3 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 50 | 67 | 17 | 17 | 67 | 67 | 17 | 50 | | 17 |
| | 4 | | 50 | 33 | 83 | 83 | 33 | 33 | 83 | 50 | 17 | 33 |
| | 5 | | | | | | | | | | 83 | 50 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43620205 | 290477010 | Coupon-redemption clerk | ( 4)72002<br>( 4)30001802 | ( 2)070301<br>( 1)BLANK | 322<br>2 | 33344333355<br>RP | L456<br>I |
| 43620208 | 290477014 | Sales clerk | ( 4)72002<br>( 4)30001802 | ( 3)090402<br>( 2)04080000 | 332<br>3 | 33344334454<br>P | L45<br>I |
| 43620211 | 290477018 | Sales clerk, food | ( 4)72002<br>( 4)30001802 | ( 3)090402<br>( 2)04060000 | 332<br>3 | 33344434455<br>P | L45<br>I |
| 43620214 | 299367014 | Stock clerk, self-service store | ( 1)55874<br>( 1)80002003 | ( 1)050901<br>( 2)04060000 | 322<br>4 | 34433334344<br>MV | M346<br>I |
| 43620217 | 299467010 | Layaway clerk | ( 1)61324<br>( 1)40066899 | ( 2)070301<br>( 1)14990000 | 333<br>3 | 34344344455<br>PT | L45<br>I |
| 43620220 | 299677010 | Sales attendant | ( 4)72002<br>( 4)30001802 | ( 3)090402<br>( 2)04080000 | 312<br>2 | 34444444353<br>P | M345<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

16 Associated DOT Titles

### 4343 COUNTER CLERKS

**COUNTER CLERKS** work in businesses that offer services such as car rentals, dry cleaning, printing, repair, or storage. They take orders for services and may receive articles to be serviced. They advise customers of the types and costs of services available and the dates when orders will be completed. They may examine articles received, record information about them, and tag them. They also collect payments for services and may keep records of cash receipts and articles received and delivered. In some jobs, workers may have other duties in addition to those described above.

CODING TABLES                                        Total count = 16

```
------------------------------------------    ------------------------------------------------
PHY      S   L   M   H   V                     SVP      1   2   3   4   5   6   7   8   9
free     1  13   2                             free         5   4   4   2   1
%        6  81  13                             %           31  25  25  13   6
                                               ------------------------------------------------
                                               ENV      I   O   B   2   3   4   5   6   7
PHY      2   3   4   5   6                     free    13   1   2           1
free         2  14  13   4                     %       81   6  13           6
%           13  88  81  25                     ------------------------------------------------
------------------------------------------     APT      G   V   N   S   P   Q   K   F   M   E   C
TEMP     D   F   I   J   M   P   R   S   T   V                        frequency
free     1       2   4   5  13   4       1   2  range 1
%        6      13  25  31  81  25       6  13        2
------------------------------------------            3 11  13  14       5  12   2   3   2       2
              attributes                              4  5   3   2  16  11   4  14  13  14   2   5
   GED     1   2   3   4   5   6   7   free           5                                     14   9
 R free        2  12   2               = 16                             percent
   %          13  75  13                        range 1
 M free    1   7   8                   = 16           2
   %       6  44  50                                  3 69  81  88      31  75  13  19  13      13
 L free        6   9   1               = 16           4 31  19  13 100  69  25  88  81  88  13  31
   %          38  56   6                              5                                     88  56
------------------------------------------    ------------------------------------------------
```

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43630205 | 216482030 | Laundry pricing clerk | ( 6)61324<br>( 6)40066899 | ( 1)070204<br>( 1)17160200 | 332<br>3 | 33344333355<br>R | S46<br>I |
| 43630208 | 249362010 | Counter clerk | ( 1)61378<br>( 1)40061609 | ( 1)070301<br>( 1)14049900 | 424<br>5 | 33344343455<br>RPT | L45<br>I |
| 43630211 | 295357010 | Apparel-rental clerk | ( 5)79000<br>( 5)30001899 | ( 11)090402<br>( 7)BLANK | 333<br>3 | 33344444454<br>IPJ | L5<br>I |
| 43630214 | 295357014 | Tool-and-equipment-rental clerk | ( 5)79000<br>( 5)30001899 | ( 11)090402<br>( 7)BLANK | 333<br>4 | 33343344444<br>IJP | M45<br>I |
| 43630217 | 295367014 | Baby-stroller and wheelchair rental clerk | ( 5)79000<br>( 5)30001899 | ( 11)090402<br>( 7)BLANK | 323<br>2 | 43344344455<br>PM | L45<br>I |
| 43630220 | 295467010 | Bicycle-rental clerk | ( 5)79000<br>( 5)30001899 | ( 11)090402<br>( 7)BLANK | 222<br>2 | 44344344455<br>PM | L5<br>B |
| 43630223 | 295467014 | Boat-rental clerk | ( 5)79000<br>( 5)30001899 | ( 11)090402<br>( 7)BLANK | 333<br>2 | 43344444445<br>P | L345<br>04 |
| 43630226 | 295467018 | Hospital-television-rental clerk | ( 1)72002<br>( 1)30001802 | ( 11)090402<br>( 7)BLANK | 222<br>2 | 43443344454<br>P | L456<br>I |
| 43630229 | 295467022 | Trailer-rental clerk | ( 1)55028<br>( 1)61082604 | ( 11)090402<br>( 7)BLANK | 333<br>4 | 33344344455<br>P | L45<br>I |
| 43630232 | 295477010 | Automobile-rental clerk | ( 1)61312<br>( 1)40061601 | ( 11)090402<br>( 1)04030000 | 333<br>4 | 33344344455<br>PM | L45<br>I |
| 43630235 | 2[illegible]7367018 | Watch-and-clock-repair clerk | ( 1)61373<br>( 1)40066824 | ( 2)050902<br>( 1)14990000 | 333<br>5 | 33343333355<br>PM | L456<br>I |
| 43630238 | 369367010 | Fur-storage clerk | ( 6)61324<br>( 6)40066899 | ( 1)050901<br>( 1)04020000 | 433<br>6 | 33343344453<br>JV | L4<br>I |

```
43630241 369367014  Rug measurer                       (  6)61324     (  2)050902   322  34343444453  L34
                                                       (  6)40066899  (  1)17160100 4    RM           I

43630244 369467010  Manager, branch store              (  6)61324     ( 11)090402   322  33344344454  L45
                                                       (  6)40066899  (  2)04150000 3    DPR          D

43630247 369477014  Service-establishment attendant    (  6)61324     ( 11)090402   322  33344344455  L45
                                                       (  6)40066899  (  2)04150000 3    JP           I

43630250 369677010  Self-service-laundry-and-dry-      (  6)61324     ( 11)090402   313  44444444454  M456
                    cleaning attendant                 (  6)40066899  (  1)17160000 2    PV           I
```

# CLASSIFICATION AND CODING DISTRIBUTIONS

21 Associated DOT Titles

## 4364 CASHIERS

CASHIERS handle payments from customers for businesses. Most CASHIERS receive money, make change, fill out charge forms, and give receipts. They also may sell tickets or goods, add up the cost of purchases, and operate several types of machines. A growing number of them use electronic registers that automatically add in taxes and record inventory numbers and other information. Some use adding machines or change-dispensing machines.

### CODING TABLES

Total count = 21

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 9 | 12 | | | |
| % | 43 | 57 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 21 | 17 | 13 |
| % | | | 100 | 81 | 62 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | 3 | 18 | 10 | 1 | 19 | 2 |
| % | | | | | 14 | 86 | 48 | 5 | 90 | 10 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 1 | 17 | 3 | | | | = 21 |
| % | | 5 | 81 | 14 | | | | |
| M freq | 1 | 12 | 6 | 2 | | | | = 21 |
| % | 5 | 57 | 29 | 10 | | | | |
| L freq | 2 | 14 | 4 | 1 | | | | = 21 |
| % | 10 | 67 | 19 | 5 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 7 | 8 | 2 | 3 | 1 | | | |
| % | | 33 | 38 | 10 | 14 | 5 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 20 | | 1 | | | | | | |
| % | 95 | | 5 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| frequency | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 3 | 1 | 3 | | | 6 | 3 | 3 | | | |
| | 3 | 18 | 19 | 17 | | 6 | 15 | 9 | 12 | 7 | | 4 |
| | 4 | | 1 | 1 | 15 | 14 | | 9 | 6 | 13 | | 6 |
| | 5 | | | | 6 | 1 | | | | 1 | 21 | 11 |
| percent | | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 14 | 5 | 14 | | | 29 | 14 | 14 | | | |
| | 3 | 86 | 90 | 81 | | 29 | 71 | 43 | 57 | 33 | | 19 |
| | 4 | | 5 | 5 | 71 | 67 | | 43 | 29 | 62 | | 29 |
| | 5 | | | | 29 | 5 | | | | 5 | 100 | 52 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43640205 | 209567014 | Order clerk, food and beverage | ( 2)61900<br>( 2)40066898 | ( 1)070402<br>( 1)17290400 | 312<br>2 | 33454344455<br>PT | S45<br>I |
| 43640208 | 211362010 | Cashier I | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 11)14010300 | 433<br>5 | 22243222354<br>VPT | S456<br>I |
| 43640211 | 211362014 | Foreign banknote teller-trader | ( 1)61382<br>( 1)40060203 | ( 1)080103<br>( 4)BLANK | 444<br>5 | 23243222354<br>NPT | L45<br>I |
| 43640214 | 211367010 | Paymaster of purses | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 4)BLANK | 443<br>6 | 23254244455<br>PT | S456<br>I |
| 43640217 | 211462010 | Cashier II | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 11)14010300 | 332<br>2 | 33344333355<br>PT | S456<br>I |
| 43640220 | 211462014 | Cashier-checker | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 2)04060000 | 322<br>3 | 33343322354<br>RPST | L456<br>I |
| 43640223 | 211462018 | Cashier-wrapper | ( 17)61314<br>( 17)40060800 | ( 2)090402<br>( 11)14010300 | 322<br>3 | 33344333353<br>RPT | L46<br>I |
| 43640226 | 211462022 | Cashier, gambling | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 11)14010300 | 332<br>4 | 33344333453<br>RPT | S456<br>I |
| 43640229 | 211462026 | Check cashier | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 11)14010300 | 332<br>3 | 33344344455<br>RPT | S45<br>I |
| 43640232 | 211462030 | Drivers'-cash clerk | ( 17)61314<br>( 17)40060800 | ( 2)070202<br>( 11)14010300 | 321<br>3 | 33344333355<br>RPT | L45<br>I |
| 43640235 | 211462034 | Teller | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 11)14010300 | 322<br>3 | 33344233455<br>PT | L456<br>I |
| 43640238 | 211462038 | Toll collector | ( 17)61314<br>( 17)40060800 | ( 14)070301<br>( 1)04190000 | 322<br>2 | 33344333454<br>RT | L4<br>B |

```
43640241 211467010  Cashier, courtesy booth            ( 17)61314     (  2)090402   333  33343344455  L45
                                                       ( 17)40060800  (  2)04060000 4    VPT          I

43640244 211467014  Money counter                      (  2)61900     (  1)070702   332  33343233455  L46
                                                       (  2)40066898  ( 11)14010300 3    NT           I

43640247 211467018  Parimutuel-ticket cashier          ( 17)61314     ( 14)070301   322  33353343453  L456
                                                       ( 17)40060800  ( 11)14010300 2    RPT          I

43640250 211467022  Parimutuel-ticket seller           ( 17)61314     ( 14)070301   322  33354343454  L456
                                                       ( 17)40060800  ( 11)14010300 2    RPT          I

43640253 211467026  Sheet writer                       ( 17)61314     ( 14)070301   322  33344343455  L45
                                                       ( 17)40060800  ( 11)14010300 2    PN           I

43640256 211467030  Ticket seller                      ( 17)61314     ( 14)070301   321  33354333454  S456
                                                       ( 17)40060800  (  1)04180000 2    PT           I

43640259 211482010  Cashier, tube room                 ( 17)61314     (  2)070202   322  33344333355  S46
                                                       ( 17)40060800  (  1)04080000 3    RT           I

43640262 249467010  Information clerk-cashier          ( 17)61314     ( 14)070301   323  33344244453  L456
                                                       ( 17)40060800  (  4)BLANK    5    PT           I

43640263 294567010  Auction clerk                      (  1)79000     ( 14)070301   222  34355344555  S45
                                                       (  1)30001899  (  4)BLANK    3    PR           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 4365 NEWS VENDORS

**NEWS VENDORS** sell newspapers. Some sell newspapers to customers on the street or from newspaper stands. Others sell and deliver newspapers door-to-door along an assigned route or in a neighborhood. These workers may walk or ride a bicycle to deliver newspapers. They collect payments for newspapers and return change. Some also keep records of customer accounts.

```
                                CODING TABLES                        Total count =  1
-------------------------------------------------
PHY     S   L   M   H   V
freq        1
%         100

PHY     2   3   4   5   6
freq            1   1
%             100 100
-------------------------------------------------
TEMP    D   F   I   J   M   P   R   S   T   V
freq            1           1
%             100         100
-------------------------------------------------
                 attributes
    GED    1   2   3   4   5   6   7   freq
  R freq       1                        = 1
     %       100
  M freq       1                        = 1
     %       100
  L freq       1                        = 1
     %       100

-------------------------------------------------

Unique   DOT                      DOT
Code     Code                     Title

43650205 292457010  Newspaper carrier
```

```
-------------------------------------------------
SVP     1   2   3   4   5   6   7   8   9
freq        1
%         100
-------------------------------------------------
ENV     I   O   B   2   3   4   5   6   7
freq        1
%         100
-------------------------------------------------
APT     G   V   N   S   P   Q   K   F   M   E   C
                      frequency
range 1
      2
      3     1                               1
      4 1       1   1   1   1   1   1   1
      5                                         1
                      percent
range 1
      2
      3   100                             100
      4 100   100 100 100 100 100 100 100
      5                                       100
-------------------------------------------------
OES Survey    GOE           GED  Aptitudes    Phy. Dem
over          over          over over         over
OES Matrix    USOE          SVP  Temperaments Env. Cond

(  1)79000    (  1)090402   222  43444444435  L45
(  1)30001899 (  1)BLANK    2    IP           O
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

12 Associated DOT Titles

## 4366 STREET VENDORS, DOOR-TO-DOOR SALESWORKERS, AND RELATED OCCUPATIONS

People in these jobs sell products in places other than stores. For example, some sell various items to guests at home parties; magazines, books, or cosmetics, from door to door; flowers to ships' passengers or candy and cigars to hotel or nightclub guests; fruits, vegetables, or ice cream from a cart or truck; refreshments at sports events and parades. These workers take payments and make change. Some take orders and deliver products.

### CODING TABLES

Total count = 12

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 7 | 3 | | |
| % | 17 | 58 | 25 | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 6 | 3 | 1 | | 2 | | | |
| % | | 50 | 25 | 8 | | 17 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 7 | 1 | 4 | | | | 1 | | |
| % | 58 | 8 | 33 | | | | 8 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 1 | 1 | 7 | 12 | 2 |
| % | 8 | 8 | 58 | 100 | 17 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | 2 | | 8 | 2 | 1 | 12 | 2 | | | 1 |
| % | 17 | | 67 | 17 | 8 | 100 | 17 | | | 8 |

| | attributes | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
| R freq | | 5 | 3 | 3 | 1 | | | = 12 |
| % | | 42 | 25 | 25 | 8 | | | |
| M freq | | 7 | 5 | | | | | = 12 |
| % | | 58 | 42 | | | | | |
| L freq | 1 | 4 | 3 | 4 | | | | = 12 |
| % | 8 | 33 | 25 | 33 | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | frequency | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 1 | 3 | | | | 1 | | | | | |
| | 3 | 6 | 4 | 7 | | 1 | 5 | | 2 | 2 | 1 | 1 |
| | 4 | 5 | 5 | 5 | 8 | 8 | 6 | 11 | 10 | 8 | 3 | 4 |
| | 5 | | | | 4 | 3 | | 1 | | 2 | 8 | 7 |
| | percent | | | | | | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 8 | 25 | | | | 8 | | | | | |
| | 3 | 50 | 33 | 58 | | 8 | 42 | | 17 | 17 | 8 | 8 |
| | 4 | 42 | 42 | 42 | 67 | 67 | 50 | 92 | 83 | 67 | 25 | 33 |
| | 5 | | | | 33 | 25 | | 8 | | 17 | 67 | 58 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43660205 | 279357038 | Salesperson-demonstrator, party plan | ( 4)79000<br>( 4)30001899 | ( 1)080205<br>( 10)BLANK | 434<br>4 | 33344344444<br>IJP | L45<br>I |
| 43660208 | 291357010 | Sales representative, door-to-door | ( 4)79000<br>( 4)30001899 | ( 3)080208<br>( 1)04200000 | 323<br>2 | 33344344454<br>PI | L5<br>B |
| 43660211 | 291454010 | Lei seller | ( 5)72006<br>( 5)30001803 | ( 5)080301<br>( 10)BLANK | 222<br>2 | 44444443354<br>PI | L456<br>B |
| 43660214 | 291457010 | Cigarette vendor | ( 5)72006<br>( 5)30001803 | ( 5)080301<br>( 10)BLANK | 232<br>2 | 44444444444<br>P | L45<br>I |
| 43660217 | 291457014 | Lounge-car attendant | ( 5)72006<br>( 5)30001803 | ( 5)080301<br>( 10)BLANK | 222<br>2 | 44354443335<br>RP | M245<br>I5 |
| 43660220 | 291457018 | Peddler | ( 5)72006<br>( 5)30001803 | ( 5)080301<br>( 1)04060000 | 221<br>3 | 44443444443<br>RPI | M3456<br>O |
| 43660223 | 291457022 | Vendor | ( 5)72006<br>( 5)30001803 | ( 5)080301<br>( 10)BLANK | 222<br>2 | 44444444455<br>P | M45<br>B |
| 43660226 | 293137010 | Supervisor, blood-donor recruiters | ( 1)61396<br>( 1)40061200 | ( 3)110902<br>( 10)BLANK | 434<br>6 | 32355244555<br>DMPV | S5<br>I |
| 43660229 | 293157010 | Fund raiser I | ( 2)71003<br>( 2)30001804 | ( 3)110902<br>( 10)BLANK | 534<br>6 | 22355354455<br>DJIP | L5<br>I |
| 43660232 | 293357010 | Blood-donor recruiter | ( 4)79000<br>( 4)30001899 | ( 3)110902<br>( 10)BLANK | 424<br>3 | 32455344555<br>IP | L5<br>I |
| 43660235 | 293357014 | Fund raiser II | ( 2)71003<br>( 2)30001804 | ( 3)080208<br>( 10)BLANK | 323<br>2 | 33344444455<br>PI | L5<br>B |
| 43660238 | 299357014 | Telephone solicitor | ( 4)79000<br>( 4)30001899 | ( 3)080208<br>( 10)BLANK | 333<br>3 | 33344344455<br>PI | S45<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 4367 SALESPERSON, PARTS

People in these jobs work behind counters in repair shops or parts stores. They sell spare or replacement parts for such items as appliances, machines, and equipment. They also do such things as prepare sales slips, receive payments, and keep records of the parts kept in stock.

CODING TABLES          Total count =  1

```
------------------------------------------------
PHY       S  L   M   H   V
freq         1
%          100


PHY       2   3   4   5   6
freq              1   1   1
%               100 100 100
------------------------------------------------
TEMP      D   F   I   J   M   P   R   S   T   V
freq              1   1       1           1
%               100 100     100         100
------------------------------------------------
                attributes
   GED    1   2   3   4   5   6   7   freq
 R freq               1                 = 1
   %                100
 M freq           1                     = 1
   %            100
 L freq               1                 = 1
   %                100

------------------------------------------------

 Unique  DOT                   DOT
 Code    Code                  Title

43670205 279357062  Salesperson, parts
```

```
--------------------------------------------------
SVP      1   2   3   4   5   6   7   8   9
freq                         1
%                          100
--------------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
--------------------------------------------------
APT      G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range 1
      2
      3  1   1   1   1   1   1       1   1
      4                          1               1
      5                                      1
                         percent
range 1
      2
      3 100 100 100 100 100 100     100 100
      4                         100             100
      5                                     100

--------------------------------------------------
DES Survey      GOE          GED Aptitudes    Phy. Dem
over            over         over over        over
DES Matrix      USOE         SVP Temperaments Env. Cond

(  1)79000      (  1)080203   434 33333343354 L456
(  1)30001899   (  1)04030000 6   IJPT        I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 4349 SALES OCCUPATIONS; SERVICES, N.E.C.

People in these jobs sell or rent out specialty products or sell special services. Some sell items such as cemetery plots, season tickets, special courses, or custom-made movies. Some rent out bicycles, boats, fishing equipment, cars, tools, clothing, or TV sets. They may sell items at a store or counter, or by phoning, writing to, or visiting potential customers. They explain the products or services available, quote prices, take orders, and fill out sales contracts or rental forms. They also compute fees and accept payments.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 10 | | | |
| % | 9 | 91 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 1 | 10 | 2 |
| % | | | 9 | 91 | 18 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 9 | 8 | 1 | 10 | 1 | | | |
| % | | 9 | 82 | 73 | 9 | 91 | 9 | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 1 | 3 | 7 | | | | = 11 |
| % | | 9 | 27 | 64 | | | | |
| M freq | | 3 | 8 | | | | | = 11 |
| % | | 27 | 73 | | | | | |
| L freq | 1 | | 3 | 7 | | | | = 11 |
| % | 9 | | 27 | 64 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 3 | 2 | 4 | 1 | | | |
| % | | 9 | 27 | 18 | 36 | 9 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 10 | 1 | | | | 1 | | | |
| % | 91 | 9 | | | | 9 | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 2 | 5 | | | | 1 | | | | | |
| | 3 | 8 | 5 | 9 | 4 | 3 | 9 | 1 | | 1 | 1 | |
| | 4 | 1 | 1 | 2 | 6 | 8 | 1 | 10 | 11 | 10 | | 4 |
| | 5 | | | | 1 | | | | | | 10 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | 18 | 45 | | | | 9 | | | | | |
| | 3 | 73 | 45 | 82 | 36 | 27 | 82 | 9 | | 9 | 9 | |
| | 4 | 9 | 9 | 18 | 55 | 73 | 9 | 91 | 100 | 91 | | 36 |
| | 5 | | | | 9 | | | | | | 91 | 64 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 43690205 | 252157010 | Travel agent | ( 1)25531<br>( 1)10243821 | ( 4)080206<br>( 10)BLANK | 333<br>4 | 32344244454<br>IJP | S56<br>I |
| 43690208 | 259157010 | Sales representative, audiovisual program productions | ( 8)79000<br>( 8)30001899 | ( 4)080206<br>( 10)BLANK | 434<br>5 | 22343344455<br>IJP | L5<br>I |
| 43690211 | 259257010 | Sales representative, education courses | ( 8)79000<br>( 8)30001899 | ( 1)080102<br>( 10)BLANK | 434<br>5 | 22334344455<br>PIM | L5<br>I |
| 43690214 | 259357010 | Group-sales representative | ( 8)79000<br>( 8)30001899 | ( 1)080208<br>( 10)BLANK | 323<br>3 | 32354344455<br>IJP | L5<br>I |
| 43690217 | 259357014 | Sales representative, dancing instructions | ( 8)79000<br>( 8)30001899 | ( 1)080205<br>( 10)BLANK | 323<br>4 | 33434344435<br>IJPF | L5<br>I |
| 43690220 | 259357022 | Sales representative, television cable service | ( 8)79000<br>( 8)30001899 | ( 4)080206<br>( 10)BLANK | 434<br>3 | 33334344454<br>PIJ | L5<br>I |
| 43690223 | 259357034 | Ticket broker | ( 8)79000<br>( 8)30001899 | ( 1)110604<br>( 10)BLANK | 434<br>6 | 33333344454<br>PIJ | L56<br>I |
| 43690226 | 273357014 | Sales representative, automotive-leasing | ( 8)79000<br>( 8)30001899 | ( 4)080206<br>( 10)BLANK | 434<br>5 | 33344344455<br>IJP | L5<br>I |
| 43690229 | 279357042 | Salesperson, burial needs | ( 8)79000<br>( 8)30001899 | ( 1)080202<br>( 1)04170000 | 434<br>5 | 32344344454<br>IJP | L5<br>I |
| 43690232 | 295367010 | Airplane-charter clerk | ( 1)72002<br>( 1)30001802 | ( 1)070403<br>( 10)BLANK | 434<br>3 | 33343344455<br>P | L5<br>I |
| 43690235 | 915667010 | Car-wash attendant, automatic | ( 1)49000<br>( 1)70200099 | ( 1)090402<br>( 10)BLANK | 221<br>2 | 44444434355<br>R | L4<br>04 |

# CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 444 APPRAISERS AND RELATED OCCUPATIONS

People in these Jobs examine objects to determine how much they are worth. The objects they appraise include jewelry, cameras, machinery, works of art, and many other items. Some estimate the value of articles to be pawned, insured, or sold. Others inspect paintings, antiques, and other works of art to see if they are authentic and to assign values to them. APPRAISERS may weigh items, inspect them with magnifying glasses, or use chemical tests in deciding the value of objects.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | | 3 | | | |
| % | | 100 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | 1 | 2 | 1 | 3 |
| % | | 33 | 67 | 33 | 100 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 3 | 3 | 1 | | | 1 | 1 |
| % | | | | 100 | 100 | 33 | | | 33 | 33 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | | 1 | 2 | | | = 3 |
| % | | | | 33 | 67 | | | |
| M freq | | | | 2 | 1 | | | = 3 |
| % | | | | 67 | 33 | | | |
| L freq | | | | 2 | 1 | | | = 3 |
| % | | | | 67 | 33 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | | | | 1 | 1 | 1 | |
| % | | | | | | 33 | 33 | 33 | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | 1 |
| | 2 | 2 | 1 | 1 | | 1 | | | | | | |
| | 3 | 1 | 2 | 1 | 2 | 2 | 2 | | | | | 1 |
| | 4 | | | 1 | 1 | | 1 | 3 | 3 | 3 | 1 | |
| | 5 | | | | | | | | | | 2 | 1 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | 33 |
| | 2 | 67 | 33 | 33 | | 33 | | | | | | |
| | 3 | 33 | 67 | 33 | 67 | 67 | 67 | | | | | 33 |
| | 4 | | | 33 | 33 | | 33 | 100 | 100 | 100 | 33 | |
| | 5 | | | | | | | | | | 67 | 33 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 44400205 | 191157010 | Pawnbroker | ( 1)29000<br>( 1)10243899 | ( 1)080103<br>( 2)BLANK | 444<br>6 | 33343344453<br>VPJM | L456<br>I |
| 44400208 | 191287010 | Appraiser | ( 1)25404<br>( 1)10243807 | ( 1)110603<br>( 1)04030000 | 555<br>7 | 23233344455<br>JM | L346<br>I |
| 44400211 | 191287014 | Appraiser, art | ( 1)25408<br>( 1)10240602 | ( 1)010201<br>( 2)BLANK | 544<br>8 | 22432444441<br>JMT | L6<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

15 Associated DOT Titles

## 445 DEMONSTRATORS, PROMOTERS, AND MODELS

People in these jobs work to create buying interest on the part of the public. They do this in a number of ways. Some demonstrate and answer questions about merchandise in a store. Others model clothes, pose for advertising pictures, or visit people to persuade them to join a club or buy a store's products or services. Duties may range from promoting a store's sales by playing Santa Claus to escorting potential buyers of real estate on tours of property. Workers also may sell the products or services they promote.

### CODING TABLES

Total count = 15

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 2 | 13 | | | |
| % | 13 | 87 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | 8 | 13 | 2 |
| % | | | 53 | 87 | 13 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 3 | 9 | 5 | 1 | 13 | 1 | | 2 | 1 |
| % | | 20 | 60 | 33 | 7 | 87 | 7 | | 13 | 7 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | 1 | | 10 | 3 | 1 | | | = 15 |
| % | 7 | | 67 | 20 | 7 | | | |
| M freq | 5 | 4 | 5 | 1 | | | | = 15 |
| % | 33 | 27 | 33 | 7 | | | | |
| L freq | 3 | 1 | 7 | 3 | 1 | | | = 15 |
| % | 20 | 7 | 47 | 20 | 7 | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 1 | 3 | 5 | 3 | 2 | 1 | | | |
| % | 7 | 20 | 33 | 20 | 13 | 7 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 12 | 1 | 2 | | | | | | |
| % | 80 | 7 | 13 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | 1 |
| | 2 | 1 | 1 | | | | | | | | | |
| | 3 | 13 | 11 | 4 | 4 | 2 | 3 | 4 | 6 | 6 | 1 | 3 |
| | 4 | 1 | 3 | 8 | 8 | 9 | 6 | 9 | 9 | 8 | 5 | 4 |
| | 5 | | | 3 | 3 | 4 | 6 | 2 | | 1 | 9 | 7 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | 7 |
| | 2 | 7 | 7 | | | | | | | | | |
| | 3 | 87 | 73 | 27 | 27 | 13 | 20 | 27 | 40 | 40 | 7 | 20 |
| | 4 | 7 | 20 | 53 | 53 | 60 | 40 | 60 | 60 | 53 | 33 | 27 |
| | 5 | | | 20 | 20 | 27 | 40 | 13 | | 7 | 60 | 47 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phy. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 44500205 | 279357010 | Sales exhibitor | ( 7)79000<br>( 12)30001899 | ( 1)080202<br>( 11)BLANK | 323<br>3 | 33344444454<br>IJP | L45<br>I |
| 44500208 | 293357018 | Goodwill ambassador | ( 7)79000<br>( 12)30001899 | ( 1)110901<br>( 11)BLANK | 323<br>2 | 33444344455<br>PI | L5<br>I |
| 44500211 | 293357022 | Membership solicitor | ( 7)79000<br>( 12)30001899 | ( 1)080208<br>( 1)04180000 | 434<br>4 | 33455354555<br>PI | L5<br>I |
| 44500214 | 297354010 | Demonstrator | ( 5)72004<br>( 12)30001899 | ( 4)080205<br>( 1)09020300 | 333<br>3 | 33344433344<br>PIJ | L45<br>I |
| 44500217 | 297354014 | Demonstrator, knitting | ( 5)72004<br>( 12)30001899 | ( 4)080205<br>( 11)BLANK | 444<br>5 | 33334533355<br>PTJM | S45<br>I |
| 44500220 | 297357010 | Demonstrator, electric-gas appliances | ( 5)72004<br>( 12)30001899 | ( 4)080205<br>( 1)09020400 | 535<br>6 | 22333343353<br>VPIJ | L5<br>I |
| 44500223 | 297367010 | Exhibit-display representative | ( 5)72004<br>( 12)30001899 | ( 2)090102<br>( 1)04010000 | 424<br>5 | 33443444455<br>P | L5<br>I |
| 44500226 | 297451010 | Instructor, painting | ( 7)79000<br>( 12)30001899 | ( 1)010603<br>( 11)BLANK | 333<br>4 | 33434433351<br>IF | S456<br>I |
| 44500229 | 297454010 | Demonstrator, sewing techniques | ( 5)72004<br>( 12)30001899 | ( 4)080205<br>( 11)BLANK | 333<br>3 | 33434433334<br>PIJT | L45<br>I |
| 44500232 | 297667010 | Guide, real estate | ( 7)79000<br>( 12)30001899 | ( 2)090102<br>( 11)BLANK | 323<br>2 | 33455454455<br>P | L5<br>I |
| 44500235 | 297667014 | Model | ( 3)29000<br>( 3)10243899 | ( 3)010801<br>( 11)BLANK | 312<br>3 | 33544544443<br>PI | L45<br>I |
| 44500238 | 299647010 | Impersonator, character | ( 7)79000<br>( 12)30001899 | ( 1)010702<br>( 11)BLANK | 313<br>2 | 33444544455<br>PI | L5<br>B |

```
44500241 299687014  Sandwich-board carrier          (  7)79000     (  1)000302   111  44455544445  L
                                                    ( 12)30001899  ( 11)BLANK    1    R            O

44500244 961367010  Model, photographers'           (  3)29000     (  3)010001   311  34544543343  L456
                                                    (  3)10243899  ( 11)BLANK    4    FP           B

44500247 961667010  Model, artists'                 (  3)29000     (  3)010001   311  34545544444  L4
                                                    (  3)10243899  ( 11)BLANK    3    FP           I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

3 Associated DOT Titles

## 446 SHOPPERS

SHOPPERS visit or contact stores to buy or gather information about products for customers or a store. Some select and buy items for customers as requested by mail or phone. Others phone auto dealers to find types of cars desired by customers. Still others, called COMPARISON SHOPPERS, visit stores to get information about the prices, packaging, types, and styles of goods in competing stores. This information helps the companies they work for to set prices and buying policies.

### CODING TABLES

Total count = 3

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 1 | 2 | | | |
| % | 33 | 67 | | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | | | | 2 | 1 |
| % | | | | 67 | 33 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | | | 1 | 2 | 2 | | | | |
| % | | | | 33 | 67 | 67 | | | | |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | | 1 | 2 | | | | = 3 |
| % | | | 33 | 67 | | | | |
| M freq | | 2 | 1 | | | | | = 3 |
| % | | 67 | 33 | | | | | |
| L freq | | | 3 | | | | | = 3 |
| % | | | 100 | | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | | 2 | | 1 | | | | |
| % | | | 67 | | 33 | | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 3 | | | | | | | | |
| % | 100 | | | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 3 | 3 | 1 | | 1 | 2 | | | | | 1 |
| | 4 | | | 2 | 2 | 2 | 1 | 2 | 3 | 3 | | |
| | 5 | | | | 1 | | | 1 | | | 3 | 2 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | | | | | | | | | | |
| | 3 | 100 | 100 | 33 | | 33 | 67 | | | | | 33 |
| | 4 | | | 67 | 67 | 67 | 33 | 67 | 100 | 100 | | |
| | 5 | | | | 33 | | | 33 | | | 100 | 67 |

| Unique Code | DOT Code | DOT Title | DES Survey over DES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 44600205 | 296357010 | Personal shopper | ( 3)79000<br>( 3)30001899 | ( 1)090402<br>( 2)04080000 | 433<br>5 | 33344444455<br>PM | L5<br>I |
| 44600208 | 296367010 | Automobile locator | ( 3)79000<br>( 3)30001899 | ( 1)070503<br>( 1)04030000 | 323<br>3 | 33444344455<br>P | S5<br>I |
| 44600211 | 29636?014 | Comparison shopper | ( 3)79000<br>( 3)30001899 | ( 1)080103<br>( 2)04080000 | 423<br>3 | 33453354453<br>JM | L6<br>I |

## CLASSIFICATION AND CODING DISTRIBUTIONS

1 Associated DOT Titles

### 447 AUCTIONEERS

**AUCTIONEERS** ask people to bid for articles at an auction, and then sell each item to the highest bidder. Before an auction begins, they decide what articles are worth and arrange them according to their type or value. They may select articles to be auctioned or let the bidders choose items they wish to bid on. They begin the auction by asking for a starting bid. They also describe the merchandise and may tell the bidders about the history or ownership of items. They finally sell each item to the highest bidder.

CODING TABLES

Total count = 1

```
PHY      S   L   M   H   V
freq         1
%          100


PHY      2   3   4   5   6
freq             1   1   1
%              100 100 100
-------------------------------------------
TEMP     D   F   I   J   M   P   R   S   T   V
freq         1   1   1       1
%          100 100 100     100
-------------------------------------------
                 attributes
   GED     1   2   3   4   5   6   7   freq
 R freq            1                   = 1
   %             100
 M freq        1                       = 1
   %         100
 L freq            1                   = 1
   %             100

-------------------------------------------

 Unique   DOT                     DOT
 Code     Code                    Title

44700205 294257010  Auctioneer
```

```
SVP      1   2   3   4   5   6   7   8   9
freq                         1
%                          100
-------------------------------------------
ENV      I   O   B   2   3   4   5   6   7
freq     1
%      100
-------------------------------------------
APT        G   V   N   S   P   Q   K   F   M   E   C
                         frequency
range  1
       2       1
       3   1               1   1
       4           1               1   1   1       1
       5               1                       1
                          percent
range  1
       2     100
       3 100             100 100
       4         100             100 100 100     100
       5             100                     100
-------------------------------------------
OES Survey     GOE           GED  Aptitudes    Phy. Dem
over           over          over over         over
OES Matrix     USOE          SVP  Temperaments Env. Cond

(  1)79000     (  1)080203   323  32453344454  L456
(  1)30001899  (  1)04080000 6    IJPF         I
```

## CLASSIFICATION AND CODING DISTRIBUTIONS

11 Associated DOT Titles

## 449 SALES OCCUPATIONS; OTHER, N.E.C.

These workers perform tasks to support the sales activities of a business or firm. They engage in various activities such as advising brides-to-be on the selection of clothing and china, recording bids at an auction, or measuring people's windows for drapes. Some wrap gifts, mark prices on goods, or make deliveries. Some assist customers in trying on clothing or in trying on eyeglass frames.

### CODING TABLES

Total count = 11

| PHY | S | L | M | H | V |
|---|---|---|---|---|---|
| freq | 3 | 6 | 2 | | |
| % | 27 | 55 | 18 | | |

| PHY | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|
| freq | 2 | 1 | 9 | 4 | 7 |
| % | 18 | 9 | 82 | 36 | 64 |

| TEMP | D | F | I | J | M | P | R | S | T | V |
|---|---|---|---|---|---|---|---|---|---|---|
| freq | | 1 | 3 | 5 | 5 | 6 | 3 | | 3 | 1 |
| % | | 9 | 27 | 45 | 45 | 55 | 27 | | 27 | 9 |

attributes

| GED | 1 | 2 | 3 | 4 | 5 | 6 | 7 | freq |
|---|---|---|---|---|---|---|---|---|
| R freq | | 3 | 3 | 5 | | | | = 11 |
| % | | 27 | 27 | 45 | | | | |
| M freq | 2 | 5 | 4 | | | | | = 11 |
| % | 18 | 45 | 36 | | | | | |
| L freq | 2 | 4 | 3 | 2 | | | | = 11 |
| % | 18 | 36 | 27 | 18 | | | | |

| SVP | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|
| freq | | 3 | 1 | | 1 | 6 | | | |
| % | | 27 | 9 | | 9 | 55 | | | |

| ENV | I | O | B | 2 | 3 | 4 | 5 | 6 | 7 |
|---|---|---|---|---|---|---|---|---|---|
| freq | 9 | 1 | 1 | | | | | | |
| % | 82 | 9 | 9 | | | | | | |

| APT | | G | V | N | S | P | Q | K | F | M | E | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | frequency | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | 1 | | | 2 | | | | | | |
| | 3 | 7 | 6 | 6 | 4 | 5 | 6 | 2 | 4 | 3 | | 4 |
| | 4 | 4 | 4 | 5 | 6 | 4 | 4 | 9 | 7 | 8 | 4 | 4 |
| | 5 | | | | 1 | | 1 | | | | 7 | 3 |
| | | | | | | percent | | | | | | |
| range | 1 | | | | | | | | | | | |
| | 2 | | 9 | | | 18 | | | | | | |
| | 3 | 64 | 55 | 55 | 36 | 45 | 55 | 18 | 36 | 27 | | 36 |
| | 4 | 36 | 36 | 45 | 55 | 36 | 36 | 82 | 64 | 73 | 36 | 36 |
| | 5 | | | | 9 | | 9 | | | | 64 | 27 |

| Unique Code | DOT Code | DOT Title | OES Survey over OES Matrix | GOE over USOE | GED over SVP | Aptitudes over Temperaments | Phys. Dem over Env. Cond |
|---|---|---|---|---|---|---|---|
| 44900208 | 299357010 | Linen controller | ( 5)79000<br>( 5)30001899 | ( 2)080206<br>( 6)BLANK | 423<br>6 | 33354344445<br>IJP | L56<br>I |
| 44900211 | 299357018 | Wedding consultant | ( 5)79000<br>( 5)30001899 | ( 2)080206<br>( 1)04080000 | 434<br>6 | 32343344453<br>FIJPV | L456<br>I |
| 44900214 | 299364010 | Drapery and upholstery measurer | ( 2)55D71<br>( 2)61089221 | ( 2)050902<br>( 6)BLANK | 332<br>6 | 33333333354<br>MPT | L456<br>I |
| 44900217 | 299364014 | Gift wrapper | ( 5)79000<br>( 5)30001899 | ( 1)010603<br>( 6)BLANK | 321<br>3 | 44434443454<br>PR | L4<br>I |
| 44900220 | 299387010 | Drapery and upholstery estimator | ( 2)55D71<br>( 2)61089221 | ( 2)050902<br>( 1)04100000 | 332<br>5 | 33333344454<br>MT | S4<br>I |
| 44900221 | 299387014 | Stamp analyst | ( 5)79000<br>( 5)30001899 | ( 1)070702<br>( 1)14990000 | 423<br>6 | 33442333453<br>IJM | S6<br>I |
| 44900223 | 299387018 | Stamp classifier | ( 5)79000<br>( 5)30001899 | ( 1)050901<br>( 6)BLANK | 423<br>6 | 33442344453<br>JM | S46<br>I |
| 44900226 | 299474010 | Optician, dispensing II | ( 1)55B69<br>( 1)50143002 | ( 1)051001<br>( 1)07060100 | 434<br>6 | 33333443344<br>JMPT | L456<br>I |
| 44900229 | 299477010 | Deliverer merchandise | ( 1)55A87<br>( 1)62000801 | ( 1)090402<br>( 6)BLANK | 222<br>2 | 44344444445<br>P | M234<br>B |
| 44900232 | 299667010 | Billposter | ( 1)55A18<br>( 1)61089203 | ( 1)051212<br>( 6)BLANK | 212<br>2 | 44444544345<br>R | M24<br>O |
| 44900235 | 299667014 | Stock checker, apparel | ( 1)44055<br>( 1)70100602 | ( 1)050903<br>( 1)04020000 | 211<br>2 | 44443444453<br>R | L46<br>I |